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**FEEDING STUFFS
REPORT**



FOR THE YEAR

1943



MILES HORST
Secretary of Agriculture

Commonwealth of Pennsylvania
Department of Agriculture
Harrisburg

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FEEDING STUFFS REPORT

1943

INTRODUCTION

The Pennsylvania Feeding Stuffs Law, Act of May 3, 1909, as amended, provides for the inspection and analysis of feeding stuffs, and accordingly, during the year ending December 31, 1943, 720 official samples were obtained by agents of the Bureau throughout the Commonwealth. Of the total number of samples collected, 706 were selected for analysis.

Each and every feeding stuffs sold within this Commonwealth is required to be properly labeled giving the following information: Name and address of manufacturer or importer, net weight, guarantees for protein, fat, and fiber, and a statement of composition, that is, the name of each ingredient used.

During the year 1943, 160 special samples of feeding stuffs were submitted for analysis. The Law provides for the analysis of special samples of feeding stuffs for residents of Pennsylvania only for a fee of \$1 per sample. The results of analyses of special samples submitted are not included in this Report. The total number of official and special samples analyzed during the year 1943 was 866.

The 706 official samples analyzed were registered by 178 manufacturers and represented 21 classes and 594 brands as follows:

<u>Classes</u>	<u>Samples</u>
Oil Cake By-Products.....	7
Distillery and Brewery By-Products.....	6
Maize By-Products.....	5
Wheat Offal.....	11
Alfalfa Meal.....	1
Barley Feed.....	1
Flax By-Products.....	3
Oat By-Products.....	4
Dried Beet Pulp.....	2
Proprietary Dairy Feed.....	116
Proprietary Stock, Horse and Mule Feed.....	26
Proprietary Calf Meal.....	15
Proprietary Swine Feed.....	66
Proprietary Sheep and Goat Feed.....	2
Proprietary Chop Feed.....	3
Proprietary Scratch Feed.....	15
Proprietary Mash Feed.....	342
Proprietary Small Animal Feed.....	68
Animal By-Products.....	10
Milk Products.....	1
Miscellaneous Feed.....	<u>2</u>
Total.....	706

BRANDS REGISTERED

Each brand of feeding stuffs is required to be registered annually, and application should be submitted before January 1 of each year or before the feed is offered for sale. When brands of feeding stuffs are re-registered, they must be accompanied by a tonnage affidavit, duly sworn to, showing the exact number of tons of each brand sold during the last preceding year. When tonnage affidavit is not submitted covering brands to be re-registered, then the Law provides for a registration fee of \$25 per brand. The annual registration fees are as follows:

0 to 150 tons, each.....	\$ 5.00
Over 150 tons to 300 tons, each.....	10.00
Over 300 tons to 500 tons, each.....	15.00
Over 500 tons, each.....	25.00

Pure Wheat Bran, Pure Wheat Middlings, Pure Wheat Mixed Feed, Pure Rye Bran, Pure Rye Middlings, Pure Rye Mixed Feed, Pure Buckwheat Bran, Pure Buckwheat Middlings, Pure Buckwheat Feed, Pure Corn Meal, and Pure Corn and Oats Chop can be registered for a fee of \$5 each, it being unnecessary to submit tonnage affidavit. Pure whole grains, when made into meals and unmixed, do not require registration, provided no part of the grain has been removed in the process of milling. Pure Corn Meal, made by the grinding and bolting of corn, requires registration.

For 1943 sales, 5627 brands of feeding stuffs were registered, and 1198 licenses were issued to 963 manufacturers.

CONCLUSIONS

Of the 706 official samples analyzed, 117 or 16.57% were deficient in protein or fat and contained fiber in excess of the tolerances provided, 23 samples or 3.26% were found deficient in protein, 67 or 9.49% deficient in fat, and 27 or 3.82% exceeded guarantees for fiber.

Microscopical examination of each sample was made in order to determine correctness of certified ingredients, and where discrepancies were found manufacturers were accordingly notified.

The consumer of a feeding stuffs purchases same under certain guarantees and labeling, and naturally expects that ingredients which are claimed should be present. Where an ingredient is omitted or added by a manufacturer, this Bureau should be accordingly notified and arrangements made for proper labeling of sacks or attached cards.

All inquiries concerning feeding stuffs should be addressed to the administrative officer, the Director of the Bureau of Foods and Chemistry, Pennsylvania Department of Agriculture, Harrisburg, Pennsylvania.

FEEDING STUFFS CLASSES	SAMPLES	BRANDS	GUARAN- TEED	PROTEIN P. CT.	FAT P. CT.	FIBER P. CT.	PRICE PER TON	MO. DEFICIENT		EXCESS FIBER
								PROTEIN	FAT	
Cottonseed Oil Meal.	1	1	1	41.88	5.92	11.80	---	---	---	---
Linseed Oil Meal	3	3	3	35.19	5.42	8.16	60.00	---	---	---
Soybean Oil Meal	3	3	3	48.48	4.21	5.49	63.60	---	---	---
Distillers Grains	3	3	3	33.36	9.27	10.02	---	---	---	---
Brewers' Dried Grains	3	2	3	26.15	6.55	13.49	50.50	---	---	---
Corn Gluten Meal	1	1	1	45.88	1.83	3.86	48.00	---	---	---
Corn Gluten Feed	2	2	2	27.38	2.40	6.17	37.60	---	---	---
Hominy Feed	2	2	2	11.18	6.13	4.08	53.00	---	---	---
Wheat Bran	5	5	5	16.85	4.86	9.70	50.12	---	---	---
Wheat Middlings	6	5	6	17.18	5.20	5.62	50.67	---	---	---
Alfalfa Meal	1	1	1	13.13	2.38	34.92	---	---	---	1
Barley Feed	1	1	1	16.81	4.11	6.84	---	---	---	---
Flax Screenings	3	3	2	19.52	18.40	10.12	37.00	---	---	---
Oat Feed	4	3	4	6.50	2.23	22.45	31.00	---	---	---
Dried Beet Pulp	2	2	2	10.22	0.56	17.11	50.00	---	---	---
Proprietary Dairy Feeds	116	100	116	22.14	4.00	7.72	59.91	5	4	3
Proprietary Stock, Horse and Mule Feed	26	23	26	14.69	3.74	7.60	61.68	---	3	---
Proprietary Calf Feed	15	13	15	22.88	4.61	5.81	92.99	---	---	1
Proprietary Swine Feed	66	58	66	19.79	3.63	6.16	63.51	3	14	4
Proprietary Sheep and Goat Feed	2	2	2	15.03	3.77	6.79	63.40	---	---	---
Proprietary Chop Feed	3	3	3	14.62	3.92	5.28	68.33	---	---	---
Proprietary Scratch Feed	15	15	15	15.35	2.79	3.47	82.62	---	1	---
Proprietary Mash Feed	342	274	341	20.90	3.93	5.88	70.67	11	39	12
Proprietary Small Animal Feed	68	56	68	---	---	---	---	4	6	3
Steamed Bone	1	1	1	5.94	1.24	6.52	55.10	---	---	1
Meat Meal	1	1	1	52.81	10.63	2.59	80.00	---	---	1
Meat and Bone Scraps	4	4	4	49.96	10.65	2.73	75.00	---	---	1
Fish Meal	1	1	1	62.00	11.63	0.39	---	---	---	---
Crab Meal	1	1	1	35.00	1.98	11.19	50.00	---	---	---
Fish and Crab Meal	1	1	1	48.25	4.85	4.65	74.00	---	---	---
Tankage	1	1	1	63.81	7.84	2.56	85.00	---	---	---
Dried Whey	1	1	1	11.50	0.71	0.33	---	---	---	---
Miscellaneous	2	2	2	---	---	---	---	---	---	---
TOTAL	706	594	704	---	---	---	---	23	67	27

KEY TO TABLE II SHOWING ANALYSES OF OFFICIAL SAMPLES

Table II shows in detail the results of analyses under the various classifications, together with their guarantees and a statement as to whether or not they were found to be "As Certified" upon microscopical examination.

Columns are provided for the found and guaranteed protein, fat, and fiber.

Each sample is listed with a chemist's number which will be found in parentheses after the brand name.

The several classes of Feeding Stuffs, as shown on Table I, are classified under the following general headings and sub-headings:

OIL CAKE BY-PRODUCTS including Cottonseed Meal, Linseed Oil Meal, and Soybean Oil Meal.

DISTILLERY AND BREWERY BY-PRODUCTS

MAIZE BY-PRODUCTS including Corn Gluten Feed, Corn Gluten Meal, and Hominy Feed

WHEAT OFFAL (with and without Ground Grain Screenings) including Wheat Bran, Wheat Middlings.

ALFALFA MEAL

BARLEY FEED

FLAX SCREENINGS

OAT BY-PRODUCTS

DRIED BEET PULP

PROPRIETARY MIXED FEEDS including Dairy Feed, Stock, Horse and Mule Feed, Calf Meal, Swine Feed, Sheep and Goat Feed, Chop Feed, Scratch Feed, Mash Feed and Small Animal Feed.

ANIMAL BY-PRODUCTS

MILK PRODUCTS

MISCELLANEOUS FEED

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
<u>OIL CAKE PRODUCTS</u>	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>Cottonseed Meal</u>							
PERKINS OIL COMPANY Memphis, Tenn.							
Golden Rod Brand Cottonseed Meal (286)	41.88	41.00	5.92	5.00	11.80	12.00	As Certified
Average	41.88	----	5.92	----	11.80	----	
<u>Linseed Oil Meal</u>							
ARCHER-DANIELS-MIDLAND CO. Minneapolis, Minn.							
Archer Brand 34% Old Process Linseed Meal (261)	35.25	34.00	3.16	3.50	8.10	9.00	As Certified
BISBEE LINSEED CO. Philadelphia, Pa.							
Abbe Brand O. P. Linseed Meal (474)	35.50	32.00	6.82	5.00	7.81	10.00	As Certified
SHERWIN WILLIAMS CO. Cleveland, Ohio							
O. P. Linseed Meal 34% (279)	34.81	34.00	6.29	4.50	8.58	9.00	As Certified
Average	35.19	----	5.42	----	8.16	----	
<u>Soybean Oil Meal</u>							
THE DRACKETT PRODUCTS CO. Cincinnati, Ohio							
Drackett Soybean Oil Meal (500)	48.38	44.00	1.12	0.50	4.93	7.00	As Certified
SPENCER KELLOGG & SONS, INC. Buffalo, N. Y.							
Kellogg's 41% Protein Soye Meal (373)	53.31	41.00	5.22	3.50	5.66	7.00	As Certified
THE SOUTHERN COTTON OIL CO. Goldensboro, N. C.							
-Co. Brand 41% Soybean Oil Meal (262)	43.75	41.00	6.28	5.00	5.89	7.00	As Certified
Average	48.48	----	4.21	----	5.49	----	
<u>DISTILLERY AND BREWERY BY-PRODUCTS</u>							
<u>Distillers' Greins</u>							
BECK INDUSTRIAL & AGRICULTURAL SUPPLIES CORPORATION New York, N. Y.							
Beck Dry Distillers Grein (43)	29.88	28.00	11.02	8.00	8.12	15.00	As Certified
RAY C. KRAMER Mt. Lebanon, Pittsburgh, Pa.							
Kramer's Alco-Meal Distillers Greins (485)	41.56	40.00	8.43	6.00	10.26	17.00	As Certified
PARK & TILFORD DISTILLERS, INC. Owings Mills, Md.							
Feed (82)	28.63	24.00	8.37	7.00	11.67	17.00	As Certified
Average	33.36	----	9.27	----	10.02	----	
<u>Brewers' Dried Greine</u>							
THE NEUMOND COMPANY St. Louis, Mo.							
Neumond Dried Brewers' Greins (481)	22.37	24.00	5.90	4.50	14.56	18.00	As Certified
FARMERS FEED COMPANY New York, N. Y.							
1 Brand Dried Brewers' Greins (106)	26.19	26.00	6.19	6.00	12.30	17.00	As Certified
1 Brand Dried Brewere' Greine (239)	29.88	24.00	7.56	6.00	12.60	17.00	As Certified
Average	26.15	----	6.55	----	13.49	----	

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>MAIZE BY-PRODUCTS</u>							
<u>Corn Gluten Meal</u>							
CLINTON COMPANY Clinton, Iowa							
Clinton Corn Gluten Meal (242)	46.88	41.00	1.83	1.00	3.86	6.00	As Certified
Average	46.88	----	1.83	----	3.86	----	
<u>Corn Gluten Feed</u>							
AMERICAN-MAIZE PRODUCT CO. New York, N. Y.							
Cream of Corn Gluten Feed (616)	30.19	23.00	2.67	2.00	7.26	9.50	As Certified
THE HUBINGER CO. Keokuk, Iowa							
Keokuk Corn Gluten Feed (29)	24.56	23.00	2.13	2.00	5.07	8.50	As Certified
Average	27.38	----	2.40	----	6.17	----	
<u>Hominy Feed</u>							
THE QUAKER OATS CO. Chicago, Ill.							
Yellow Hominy Feed (468)	10.81	10.00	4.69	5.00	3.07	5.00	As Certified
MINER-BILLARD MILLING CO. Wilkes-Barre, Pa.							
Choice Steamed Cooked Hominy Feed (343)	11.56	10.00	7.57	5.00	5.09	5.00	As Certified
Average	11.18	----	6.13	----	4.08	----	
<u>WHEAT OFFAL</u>							
<u>Wheat Bran</u>							
THE MENDEL MILLING CO. Toledo, Ohio							
Memo Pure Wheat Bran (237)	16.38	14.00	4.58	3.50	9.97	10.00	As Certified
MINER-HILLARD MILLING CO. Wilkes-Barre, Pa.							
Wheat Bran (342)	16.50	13.00	6.12	4.00	8.97	10.00	As Certified
NORTHWESTERN ELEVATOR & MILL CO. Mt. Vernon, Ohio							
Taylor's Wheat Bran (394)	16.31	13.50	4.84	3.00	10.42	10.50	As Certified
RUSSELL-MILLER MILLING CO. Minneapolis, Minn.							
American Beauty Pure Wheat Bran (41)	19.06	14.50	4.69	4.00	9.45	9.50	As Certified
VALIER & SPIES MILLING CO. St. Louis, Mo.							
Valiera Pure Wheat Bran (238)	16.00	14.50	4.07	3.50	9.67	10.50	As Certified
Average	16.85	----	4.86	----	9.70	----	
<u>Wheat Middlings</u>							
COMMANDER-LARABEE MILLING CO. Minneapolis, Minn.							
Sunfed Wheat Standard Middlings with Ground Screenings (600)	18.44	15.00	5.98	4.00	8.07	9.50	As Certified
DOUGHERTY FEED CO., INC. Louisville, Ohio							
Pelmo Midds (283)	17.00	16.00	9.19	7.00	7.53	9.00	As Certified
MINER-HILLARD MILLING CO. Wilkes-Barre, Pa.							
White Midds (338)	14.25	12.00	2.03	1.00	1.01	3.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
NATIONAL MILLING BRANCH OF NATIONAL BISCUIT CO. Toledo, Ohio							
Hamico Wheat Middlings with Mill Run of Screenings (278)	17.00	15.00	4.42	3.50	5.25	9.00	Ae Certified
Hamico Wheat Middlings (390)	16.94	15.00	4.09	3.50	5.54	9.00	Aa Certified
RUSSELL-MILLER MILLING CO. Minneapolis, Minn.							
Alta Hard Wheat Middlings (236)	19.44	15.00	5.49	4.50	6.37	8.50	Ae Certified
Average	17.18	----	5.20	----	5.62	----	
ALFALFA MEAL							
ESTATE OF HARRY C. TREXLER TREXLER FARMS DIVISION Allentown, Pa.							
Buffalo Brand Dehydrated Alfalfa Meal(275)	13.13	13.00	2.38	2.00	*34.92	32.00	Ae Certified
Average	13.13	----	2.38	----	*34.92	----	
BARLEY FEED							
THE QUAKER OATS CO. Chicago, Ill.							
Barley Feed (28)	16.61	10.50	4.11	2.50	6.84	12.50	Aa Certified
Average	16.61	----	4.11	----	6.84	----	
FLAX SCREENINGS							
J. A. FORREST COMPANY Minneapolis, Minn.							
Ground Flax Screenings (81)	19.38	17.00	18.32	10.00	9.58	14.50	Ae Certified
JAMES RICHARDSON & SONS LTD. Toronto, Canada							
Ground Flax Screenings (30)	21.44	17.00	23.61	10.00	9.69	14.50	Ae Certified
Flax Seed Screenings (35)	17.75	----	13.28	----	11.09	----	Ae Certified
Average	19.52	----	18.40	----	10.12	----	
OAT BY-PRODUCTS							
Oat Feed							
THE BEST FOODS, INC. Buffalo, N. Y.							
Oat Mill Feed (271)	6.75	5.00	2.12	1.50	10.99	31.00	Ae Certified
THE QUAKER OATS CO. Chicago, Ill.							
Vim Oat Meal Feed (397)	5.88	5.00	2.16	1.50	26.04	30.00	Ae Certified
Vim Oat Meal Feed (638)	5.63	5.00	1.57	1.50	30.37	30.00	Ae Certified
ROBIN HOOD FLOUR MILLS, LTD. Moose Jaw, Canada							
Pulverized Oat Feed Black-Hawk (281)	7.75	5.50	3.06	2.50	22.41	27.90	As Certified
Average	6.50	----	2.23	----	22.45	----	
DRIED BEET PULP							
LARROWE MILLING CO. OF GENERAL MILLS INC. Detroit, Mich.							
Dried Beet Pulp (280)	10.19	7.00	0.58	0.30	17.52	22.50	Ae Certified
Dried Molasses-Beet Pulp (282)	10.25	7.00	0.53	0.30	16.69	20.00	Ae Certified
Average	10.22	----	0.56	----	17.11	----	
PROPRIETARY MIXED FEEDS							
Proprietary Dairy Feeds							
ALLIED MILLS, INC. Chicago, Ill.							
Amco 16% Dairy Feed (475)	20.81	16.00	3.76	3.00	7.58	9.00	Ae Certified
Amco 18% Dairy Feed (476)	23.00	18.00	3.80	3.50	7.74	10.00	Ae Certified
* Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

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MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Amco 24% Univereal Dairy Feed (477)	24.56	24.00	4.32	4.00	7.02	10.00	Aa Certified
Wayne 24% Dairy Feed (139)	27.31	24.00	4.03	4.00	8.25	9.00	As Certified
Wayne 24% Dairy Feed (348)	26.69	24.00	4.02	4.00	8.14	9.00	As Certified
Wayne 24% Dairy Feed (504)	28.56	24.00	4.57	4.00	7.65	9.00	As Certified
R. S. ALTMAN Irwin, Pa.							
Altman's 20% Dairy Ration (384)	19.75	20.00	2.78	3.00	9.86	12.00	Aa Certified
Altman's 20% Dairy Ration (518)	20.94	20.00	3.01	3.00	8.66	12.00	As Certified
Altman's 20% Dairy Ration (631)	23.25	20.00	3.93	3.50	8.20	12.00	As Certified
ARCADY FARMS MILLING CO. Chicago, Ill.							
Arcady 24% Dairy Feed (486)	24.63	24.00	3.70	3.00	8.56	11.00	As Certified
A. J. BALSBI Catwiesee, Pa.							
Milk Well 16% Dairy (197)	18.56	16.00	4.29	3.50	7.12	12.00	As Certified
Milk Well 24% Dairy (200)	26.06	24.00	4.58	3.50	6.91	12.00	As Certified
C. D. BELL & SON Hop Bottom, Pa.							
C. D. Bell's Cow Feed (170)	16.00	16.00	4.01	3.01	6.68	10.00	As Certified
BEDFORD MILLING CO. Bedford, Pa.							
Bedford Sweet 16% (95)	15.31	16.00	5.61	3.00	9.28	12.00	As Certified
Bedford Sweet 20% (96)	19.06	20.00	4.60	3.00	10.26	12.00	As Certified
Fort Bedford Sweet 24% (668)	28.13	24.00	4.39	3.00	11.86	12.00	As Certified
Bedford 24% Milkolene (94)	21.19	24.00	4.65	3.50	8.53	10.00	As Certified
Bedford 34% Farm Mix (97)	33.75	34.00	4.45	3.50	7.47	11.00	As Certified
BROWN & FASSETT Tunkhannock, Pa.							
B & F 16% Special Dairy Feed (159)	16.88	16.00	3.34	3.50	5.88	9.00	As Certified
JOHN S. BROWN'S SON INC. New Castle, Pa.							
Our Quality 20% Dairy Ration (444)	32.13	20.00	4.55	3.00	6.31	12.00	As Certified
CITY FLOURING MILLS, INC. Muncy, Pa.							
Muncy Dairy Ration 20% (623)	20.50	20.00	3.76	4.00	6.73	11.00	As Certified
Muncy 24% Dairy (625)	23.38	24.00	3.68	4.00	7.94	11.00	As Certified
Muncy 32% Dairy (622)	31.81	32.00	4.32	4.00	8.78	11.00	As Certified
CLARK'S FEED MILLS Shamokin, Pa.							
Clark's 16% Dairy Feed (193)	20.56	16.00	6.58	3.50	7.52	12.00	As Certified
Clark's Dairy Feed 20% (190)	20.25	20.00	4.61	3.50	6.91	12.00	As Certified
COOPERATIVE G. L. F. MILLS INC. Buffelo, N. Y.							
Exchange Dairy Feed (158)	18.25	16.00	2.98	2.75	5.77	9.00	As Certified
Exchange Dairy (298)	18.94	16.00	3.04	2.75	5.45	9.00	As Certified
24% Dairy Mixing Feed (289)	27.06	24.00	3.79	3.00	7.08	9.00	As Certified
PENNSYLVANIA FARM BUREAU CO-OP. ASSN. Harrieburg, Pa.							
Cooperative 16% Dairy (272)	16.88	16.00	3.11	2.50	9.08	12.00	As Certified
CRAWFORD BROTHERS, INC. Walton, N. Y.							
Wallkill Sweet Dairy Ration (568)	21.56	18.00	5.31	5.00	7.82	8.00	As Certified
DAIRY FARMERS' UNION FEEDS Binghamton, N. Y.							
Union Dairy Ration (574)	25.88	18.00	3.08	3.00	5.56	9.00	As Certified
DAYTON MILLING COMPANY Towanda, Pa.							
Dayton's Special 16% (305)	18.25	16.00	4.28	3.30	6.12	8.10	As Certified
DUBLIN MILLING CO., INC. Dublin, Pa.							
Dublin Dairy Feed (120)	19.38	18.00	4.65	4.00	9.48	10.00	As Certified
*Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
EASTERN STATES FARMERS' EXCHANGE West Springfield, Mass.								
Eastern States 16%	(151)	18.69	16.00	3.58	3.50	6.51	7.00	As Certified
Eastern States Sixteen	(494)	19.56	16.00	3.32	3.50	5.98	8.50	As Certified
JOHN W. ESHELMAN & SONS Lancaster, Pa.								
Pennsy 16% Dairy Feed	(211)	18.06	16.00	5.28	3.00	9.75	11.00	As Certified
Red Rose 18% Dairy Feed	(210)	17.88	18.00	*3.56	4.75	5.98	9.00	As Certified
Esheleman's Red Rose 24% Dairy Feed	(519)	25.88	24.00	4.61	4.00	9.22	11.00	As Certified
Esheleman's Challenge 24% Dairy Feed	(440)	25.06	24.00	4.42	4.00	9.34	11.00	As Certified
FACTORYVILLE MILLING CO. Factoryville, Pa.								
Miracle Special Cow Feed	(573)	20.75	18.00	3.87	3.00	7.49	12.00	As Certified
FLORY MILLING CO., INC. Bangor, Pa.								
National 16% Dairy Feed	(326)	16.88	16.00	3.31	3.00	9.24	11.00	As Certified
National 18% Dairy Feed	(128)	23.38	18.00	3.53	3.50	9.46	11.00	As Certified
National 18% Dairy Feed	(325)	18.63	18.00	3.64	3.50	8.50	11.00	As Certified
Flory 28% Mixing Ration	(129)	28.63	28.00	3.70	4.00	5.65	10.00	As Certified
D. D. FRITCH MILLING CO. Macungie, Pa.								
XXXX Fancy 16% Dairy Feed	(655)	24.06	16.00	3.04	3.00	5.59	8.00	As Certified
GENERAL MILLS, INC. FARM SERVICE DIVISION Minneapolis, Minn.								
Moremilk Dairy Feed	(148)	*14.81	18.00	3.86	4.00	6.82	11.50	As Certified
GENERAL MILLS, INC., LARROWE DIVISION Detroit, Mich.								
Lerro 18% Dairy Feed	(532)	21.13	18.00	3.41	3.25	7.54	12.00	As Certified
Lerro 18% Dairy Feed	(706)	19.50	18.00	3.53	3.00	7.55	12.00	As Certified
Larro 18% Dairy Feed	(616)	18.19	18.00	3.46	3.00	7.65	12.00	As Certified
THE GLIDDEN COMPANY Indianapolis, Ind.								
Capitol 26% General Feed	(247)	27.63	26.00	1.94	1.00	6.00	14.00	As Certified
HALES & HUNTER CO. Chicago, Ill.								
Pioneer Dry & Freshening Feed	(712)	15.63	12.00	3.82	2.50	7.03	10.00	As Certified
HONESDALE FLOUR & FEED CO. Honedale, Pa.								
18% Dairy Feed	(577)	19.50	18.00	4.93	4.00	*7.48	4.00	As Certified
KASCO MILLS, INC. Weverly, N. Y.								
Kasco Beetesall 16% Ration	(680)	20.56	16.00	5.08	3.50	9.25	10.00	As Certified
Kesco Sweet 16% Dairy Feed	(717)	21.25	16.00	4.42	3.50	10.18	12.00	As Certified
Kesco 18% Milk Maker	(683)	23.63	18.00	4.87	3.50	8.75	10.00	As Certified
S. C. KRIEBEL West Point, Pa.								
West Point Dairy Feed	(353)	20.38	18.00	4.21	4.00	10.23	10.00	As Certified
J. R. LEWIS Orson, Pa.								
J. R. L. Dairy Ration	(575)	25.81	18.00	3.18	3.50	7.71	10.00	As Certified
WALTER K. LONG Center Valley, Pa.								
20% High Standard Dairy Feed	(359)	21.25	20.00	3.81	4.00	7.21	8.60	As Certified
LYCOMING MILLS Williamsport, Pa.								
Dairy Feed 24%	(395)	28.06	24.00	4.22	3.50	9.43	9.50	As Certified
*Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
MARITIME MILLING CO., INC. Buffalo, N. Y.							
Marmico 16% Dairy Feed with Molaesas(270)	20.06	16.00	3.60	3.00	7.56	12.00	As Certified
Sweetened Bull Brand B. B. 18% Dairy Ration (266)	18.00	18.00	3.57	3.50	7.16	9.00	As Certified
B.-B. "18" Dairy Ration (681)	21.50	18.00	4.68	3.50	9.07	9.00	As Certified
B.-B. "18%" Dairy Ration (710)	20.00	18.00	3.23	3.50	6.46	9.00	As Certified
Hi-Test Dairy Feed 18% Protein (679)	23.69	18.00	4.89	3.50	8.11	12.00	As Certified
Bull Brand B. B. 24% Mixing Feed (265)	*21.38	24.00	3.83	3.50	7.45	9.00	As Certified
MAUSER MILL CO. Treichlers, Pa.							
Mauser'a Dairy Ration (659)	24.31	21.00	4.42	4.00	8.09	12.00	As Certified
MCMILLEN FEED MILLS Fort Wayne, Ind.							
Big "C" 16% Dairy Feed (92)	19.00	16.00	3.13	1.00	7.76	11.00	As Certified
Master Bland 33% (89)	34.38	33.00	2.80	1.00	7.53	8.00	As Certified
Master Bland 33% (526)	38.44	33.00	3.55	1.00	7.20	8.00	As Certified
MILKMALT COMPANY Baltimore, Md.							
Milkmalt Co's Blend (243)	36.31	32.00	1.87	1.50	3.39	4.00	As Certified
MINER HILLARD MILLING CO. Wilkes-Barre, Pa.							
M-H Dairy Ration (346)	18.06	17.50	5.50	4.75	7.78	9.00	As Certified
MOR-LOU FARMS Fallsington, Pa.							
Mor-Lou Farms Dairy Ration (705)	19.75	16.00	4.04	4.00	*12.09	9.00	As Certified
MOSCOW MILLING CO Moscow, Pa.							
Moscow Milling Co., Dairy Feed 16% (569)	21.55	16.00	4.31	3.50	7.50	11.00	As Certified
MOYER & SON Souderton, Pa.							
Moyer & Son Dairy Feed (125)	24.06	20.00	4.42	4.00	9.64	12.00	As Certified
PARK & POLLARD CO. Buffalo, N. Y.							
Duplex 16% Dairy Ration (417)	19.31	16.00	3.40	3.50	6.93	12.00	As Certified
PETERSBURG MILLING CO. Bessemer, Pa.							
Pamico 16% Dairy (454)	20.13	16.00	3.30	3.50	5.24	11.00	As Certified
PINE RUN FARM SUPPLY Doylestown, Pa.							
Pine Run 16% Dairy (556)	18.25	16.00	4.00	3.50	7.05	12.00	As Certified
THE QUAKER OATS CO. Chicago, Ill.							
Ful-O-Pep Dry and Fitting Ration (470)	17.50	14.00	4.42	3.50	7.27	10.00	As Certified
Quaker 18% Protein Dairy Ration (527)	19.06	18.00	3.66	3.00	*12.48	12.00	As Certified
RALSTON PURINA CO. St. Louis, Mo.							
Purina B & M Cow Chow (230)	18.81	16.00	4.25	3.50	7.48	10.00	As Certified
Purina B & M Cow Chow (612)	19.81	16.00	3.76	3.50	7.23	10.00	As Certified
Purina 18% Cow Chow (602)	23.38	18.00	3.19	3.00	8.21	12.00	As Certified
Purina Cow Chow (214)	25.56	24.00	5.05	3.00	8.53	11.00	As Certified
Purina 24% Cow Chow (613)	26.69	24.00	4.39	3.00	8.53	11.00	As Certified
Ontario 18% Dairy Feed (599)	24.31	18.00	2.94	3.00	10.20	11.00	As Certified
Purina Milk Chow (209)	17.06	16.00	3.30	3.00	6.87	10.00	As Certified
Purina War Time Bulky Las Chow (235)	15.35	12.00	3.72	2.00	12.49	15.00	As Certified
THE RICHARDS MILLING CO. Cortland, Ohio							
Richards 18% Dairy Feed (439)	19.44	18.00	*1.96	3.00	6.39	10.00	As Certified
Richards 18% Dairy Feed (520)	19.81	18.00	3.11	3.00	8.79	10.00	As Certified

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
H. ROCKWELL & SON Canton, Pa.								
Canton 16% Dairy Ration	(590)	20.00	16.00	4.48	4.00	8.23	12.00	As Certified
SEA BOARD SUPPLY CO., INC. Philadelphia, Pa.								
Vio-Cen-Mix	(347)	32.63	32.00	6.75	4.00	8.35	8.50	As Certified
SHELLY BROTHERS Perkasie, Pa.								
20% Sweet Dairy Feed	(117)	21.50	20.00	3.86	4.00	7.86	10.00	As Certified
R. A. SMITH MILLING CO. Northampton, Pa.								
Blue Band 16% Dairy Feed	(645)	20.00	16.00	3.64	3.50	11.92	11.50	As Certified
J. E. SNOOK MILLS Mifflinburg, Pa.								
Snook's 20% Dairy Ration	(68)	20.06	20.00	4.86	4.00	6.79	8.50	As Certified
Snook's 32% Dairy Ration	(67)	32.13	32.00	6.05	5.00	7.77	8.00	As Certified
GEO. S. SNYDER EST. Hatfield, Pa.								
Snyder's Quality Dairy Feed	(132)	17.63	17.00	3.67	3.00	5.92	8.75	As Certified
JESSE C. STEWART CO. Pittsburgh, Pa.								
Iron City Dairy Feed	(482)	19.38	18.00	3.34	3.00	7.40	12.00	As Certified
D. A. STICKELL & SONS, INC. Hagerstown, Md.								
Dairy Queen Sweet 20% Milk Maker	(502)	21.25	20.00	*3.08	3.50	4.63	10.00	As Certified
EDWIN F. STOVER EST. Perkasie, Pa.								
Stover's 18% Dairy Feed	(112)	20.44	18.00	5.16	3.25	7.41	12.00	As Certified
SUNBURY MILLS, INC. Sunbury, Pa.								
Sunbury Production 16% Dairy Feed	(53)	17.38	16.00	4.43	3.50	6.40	12.00	As Certified
Sunbury Production 18% Dairy Feed	(55)	21.13	18.00	4.94	3.50	6.13	10.00	As Certified
P. O. SUNDAY Carlisle, Pa.								
20% Cumberland Dairy	(463)	19.50	20.00	4.59	4.50	8.89	12.00	As Certified
24% Cumberland Dairy	(464)	23.44	24.00	4.45	4.00	6.54	10.00	As Certified
SWINGLE BROTHERS Lake Ariel, Pa.								
Direct 18% Dairy Ration	(581)	21.31	18.00	3.54	3.50	8.44	10.00	As Certified
THRIFT FEED MILL Doylestown, Pa.								
Thriftee 32% Supplemental Dairy	(553)	*29.69	32.00	4.06	4.00	6.83	8.50	As Certified
TIOGA MILLS, INC. Waverly, N. Y.								
Tioga Red Brand 24% Dairy Feed	(649)	28.25	24.00	4.02	3.50	9.02	12.00	As Certified
Red Brand 24% Dairy Feed	(716)	28.69	24.00	4.68	3.50	9.25	12.00	As Certified
JACOB TRINLEY & SONS Linfield, Pa.								
Trinley's 20% Dairy Feed	(356)	21.38	20.00	4.12	4.00	7.91	11.00	As Certified
THE UBIKO MILLING CO. Cincinnati, Ohio								
Ubiko Clover Bloom Sweet 16% Feed	(469)	22.00	16.00	4.59	3.00	8.19	12.00	As Certified
VANDERVORT MILLS Laceyville, Pa.								
Vandervort 16% Dairy Ration	(176)	17.13	16.00	3.80	4.00	5.57	11.00	As Certified
Vandervort 16% Dairy Ration Sweet Sixteen	(321)	18.50	16.00	4.11	4.00	5.51	11.00	As Certified
*Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

200-4-40

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Vandervort 18% Dairy Ration (179)	20.25	18.00	4.94	4.00	5.58	10.00	As Certified
18% Special Dairy Ration (318)	19.69	18.00	4.39	4.00	6.22	10.00	As Certified
Supplement 30% Dairy Ration (181)	*26.88	30.00	4.07	4.00	7.40	9.00	As Certified
THE VOLANT MILLS Volant, Pa.							
Volant Milk Starting Mash (449)	20.19	18.00	4.01	4.00	5.10	7.00	As Certified
WRIGHT MILLING CO. Claysburg, Pa.							
20% Dairy Feed (245)	19.31	20.00	*2.38	3.50	8.66	12.00	As Certified
Average	22.14	----	4.00	----	7.72	----	
Proprietary Stock, Horae and Mule Feed							
ARCADY FARMS MILLING CO. Chicago, Ill.							
Arcady 85% Grain Horse Feed (487)	11.69	9.00	3.18	2.50	6.94	11.00	As Certified
BROWN & FASSETT Tunkhannock, Pa.							
B & F Sugared Horse Feed (160)	10.63	9.00	3.28	3.00	7.13	12.00	As Certified
B & F Fitting Ration (166)	14.25	12.00	*3.50	4.00	5.10	10.00	As Certified
CENTRAL CHEMICAL CORP. Gettysburg, Pa.							
Farmrite Sweet 50/50 Molasses Meal (39)	18.88	14.00	1.92	2.00	4.97	8.00	As Certified
Farmrite Sweet 50/50 Molasses Meal (104)	16.13	14.00	1.92	2.00	5.59	8.00	As Certified
CLARK'S FEED MILLS Shemokin, Pa.							
Clark's Horae Feed (192)	14.50	10.00	3.71	3.00	8.07	12.00	As Certified
DAYTON MILLING CO. Towanda, Pa.							
Dayton's Fitting Ration (306)	14.38	12.00	3.62	3.70	5.49	9.00	As Certified
EASTERN STATES FARMERS' EXCHANGE West Springfield, Mass.							
Eastern States Stock Feed (493)	15.31	11.50	3.16	2.00	6.41	7.50	As Certified
JOHN W. ESHELMAN & SONS Lancaster, Pa.							
Red Rosa Fitting Ration (670)	14.44	12.00	4.48	4.00	5.94	7.00	As Certified
Red Rosa 85% Horse Feed (213)	12.44	9.00	3.75	3.00	11.15	10.00	As Certified
FLORY MILLING CO., INC. Bangor, Pa.							
Flory Fitting Ration (331)	16.06	12.00	*3.00	3.50	6.75	9.00	As Certified
HONESDALE FLOUR & FEED CO. Honesdale, Pa.							
Tru-Mix Fitting Ration (578)	15.88	15.00	4.50	4.00	7.50	8.00	As Certified
MARITIME MILLING CO., INC. Buffalo, N. Y.							
B. B. Horse Feed (274)	13.63	9.00	3.73	2.00	8.93	10.00	As Certified
B. B. Horse Feed (677)	15.50	9.00	3.69	2.00	5.00	10.00	As Certified
PRATT FOOD CO. Hammond, Ind.							
Utility Horse Feed (665)	13.44	9.00	4.37	2.00	9.13	11.00	As Certified
THE QUAKER OATS CO. Chicago, Ill.							
Quaker Sugared Schumacher Feed (467)	14.81	10.00	4.09	3.00	9.71	12.00	As Certified
Quaker Sugared Schumacher Feed (388)	12.50	10.00	3.67	3.00	10.40	12.00	As Certified
ROBERTS FEED MILL Packville, Pa.							
Rob Rosa Fitting Ration (563)	18.31	13.50	3.31	3.50	6.28	7.00	As Certified
B. F. SHEESLEY & SON Herrieburg, Pa.							
Sheesley's Champion Liva Stock Feed (107)	16.56	17.00	9.79	10.00	12.30	12.00	As Certified
*Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

20-4-40

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
D. A. STICKELL & SONS, INC. Hegaretown, Md.								
Su-Pur 16% Dairy Fitting Ration	(503)	23.44	16.00	4.15	3.00	6.46	11.00	As Certified
SUNBURY MILLS, INC. Sunbury, Pa.								
Tioga Horse Feed	(56)	10.31	10.00	3.05	3.00	5.85	8.00	As Certified
SWINGLE BROTHERS Laka Arisl, Pa.								
Direct Fitting Ration	(582)	13.81	12.00	*2.80	3.50	8.29	10.00	As Certified
JACOB TRINLEY Linfield, Pa.								
Real 85% Horse Feed	(425)	12.69	9.00	3.63	2.50	9.43	12.00	As Certified
THE UBIKO MILLING CO. Cincinnati, Ohio								
Honeycomb Fitting Ration	(471)	12.94	12.00	3.19	2.50	11.17	15.00	As Certified
Crusader Horse Feed	(385)	13.50	9.00	3.85	2.50	8.32	10.00	As Certified
VANDERVORT MILLS Laceyville, Pa.								
Vandervort 12% Fitting Ration	(177)	15.94	12.00	3.91	4.00	5.35	7.00	As Certified
Average		14.69	----	3.74	----	7.60	----	
<u>Proprietary Calf Feed</u>								
BEDFORD MILLING CO. Bedford, Pa.								
Calf Diet	(98)	16.25	14.00	2.85	3.00	4.69	7.00	As Certified
BROWN & FASSETT Tunkhannock, Pa.								
B & F Calf Meal	(165)	29.44	28.00	4.90	5.00	4.61	8.00	As Certified
COOPERATIVE G. L. F. MILLS, INC. Buffalo, N. Y.								
Calf Meal	(297)	20.94	20.00	4.03	3.50	3.21	4.50	As Certified
EASTERN STATES FARMERS EX. West Springfield, Mass.								
Eastern States Calf Starter	(529)	26.63	23.00	4.29	3.50	4.20	6.00	As Certified
GENERAL MILLS, INC. LARROWE DIVISION Detroit, Mich.								
Lerro Calf Builder	(620)	26.00	24.00	4.61	4.00	4.58	5.50	As Certified
MARITIME MILLING CO., INC. Buffalo, N. Y.								
B.-B. Calf Starter Ration	(678)	23.25	18.50	3.89	3.00	7.81	8.00	As Certified
MCMILLEN FEED MILLS Ft. Wayne, Ind.								
Master Mix Calf Starter	(396)	28.38	26.00	5.25	3.00	6.75	7.00	As Certified
PINE RUN FARM SUPPLY Doylestown, Pa.								
Pine Run Calf Meal	(557)	26.13	22.00	4.24	4.00	6.19	7.50	As Certified
THE QUAKER OATS CO. Chicago, Ill.								
Ful-O-Pep Calf Meal	(307)	21.38	20.00	5.85	4.50	6.77	8.00	As Certified
Ful-O-Pep Calf Meal	(309)	19.19	20.00	7.64	4.50	6.30	8.00	As Certified
Ful-O-Pep Calf Starter	(314)	22.31	20.00	5.33	4.50	5.47	8.00	As Certified
RALSTON PURINA CO. St. Louis, Mo.								
Purins Calf Starters	(609)	19.38	19.50	3.09	2.50	9.22	9.50	As Certified
Purina Calf Starters	(233)	21.06	19.50	4.19	2.50	7.55	9.50	As Certified
*Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
H. ROCKWELL & SON Canton, Pa.							
Rockwell's Calf Ration with Yeast (595)	20.00	19.00	3.90	4.25	*6.04	4.00	Ae Certified
VANDERVORT MILLS Laceyville, Pa.							
Vandervort's Calf Feed (317)	22.81	18.00	5.02	4.00	3.70	6.00	Ae Certified
Average	22.88	----	4.61	----	5.81	----	
<u>Proprietary Swine Feed</u>							
R. S. ALTMAN Irwin, Pa.							
Altman's Hog Feed with Yeast (629)	17.31	15.00	4.78	3.00	7.30	7.00	Ae Certified
ARCADY FARM MILLING CO. Chicago, Ill.							
Arcady Hog Grower (488)	17.94	15.00	3.57	3.50	6.10	9.00	As Certified
A. J. BALSBI Catawissa, Pa.							
Pig Starter (198)	23.19	20.00	3.86	3.50	4.65	5.00	Aa Certified
Muet Live & Grow Pig & Hog Feed (199)	35.63	36.00	6.22	3.00	6.75	12.00	Ae Certified
Muet Gro Pig & Hog Feed (201)	18.88	17.00	3.87	4.00	5.63	10.00	Ae Certified
BEDFORD MILLING CO. Bedford, Pa.							
Bedford Hogmaker (99)	14.81	16.00	2.79	2.50	6.46	7.00	Ae Certified
Bedford 35% Hog Concentrate (101)	35.06	35.00	4.56	4.00	9.45	9.00	Ae Certified
H. C. BEERITS' SONS Somerset, Pa.							
Bob-Bee Pig & Hog Meal (537)	14.51	16.00	*2.66	3.50	5.18	7.00	Ae Certified
BROWN & FASSETT Tunkhannock, Pa.							
B & F Hog Ration (163)	16.88	17.00	4.59	5.00	3.97	8.00	Ae Certified
CLARK'S FEED MILLS Shemokin, Pa.							
Clark's Hog Meal (183)	16.13	16.00	*3.07	3.50	4.30	8.00	Ae Certified
Clark's 35% Hog Supplement (195)	*27.50	35.00	5.65	4.00	5.03	8.00	Ae Certified
PENNSYLVANIA FARM BUREAU COOP. ASSN. Harrisburg, Pa.							
Pig and Hog Feed (134)	15.38	14.00	2.56	2.00	4.36	5.00	Ae Certified
DAYTON MILLING CO. Towanda, Pa.							
Dayton's Hog Feed (304)	17.88	16.00	2.81	3.10	6.57	8.60	Ae Certified
EASTERN STATES FARMERS EXCHANGE West Springfield, Mass.							
Hog Supplement (153)	30.06	30.00	1.84	1.00	9.23	9.00	Ae Certified
Eastern States Pork Builder (491)	17.50	15.00	3.13	2.50	6.03	6.50	Ae Certified
Eastern States Pork Builder (510)	17.88	15.00	3.37	2.50	5.68	6.50	Ae Certified
JOHN W. ESHELMAN & SONS Lancaster, Pa.							
Eshelman's Red Rose Pig & Hog Meal (263)	21.50	18.00	3.88	3.50	6.50	10.00	Ae Certified
Eshelman's Red Rose Pig & Hog Meal (442)	24.75	18.00	3.99	3.50	7.26	10.00	Ae Certified
Eshelman's Red Rose Pig & Hog Meal (521)	23.56	18.00	4.76	3.50	6.54	10.00	Ae Certified
FARMERS THRIFT MILL OF DURHAM, INC. Durham, Pa.							
Riegele Pig & Hog Ration (547)	18.00	15.00	*3.11	3.50	4.43	6.50	Ae Certified
GENERAL MILLS, FARM SERVICE DIV. Minneapolis, Minn.							
Home State 15% Pig Feed (149)	14.13	15.00	4.32	3.00	6.19	11.00	Ae Certified
THE GLIDDEN CO. Indianapolis, Ind.							
Glidden 30% Hog Mix (251)	32.25	30.00	3.21	3.00	6.71	8.00	Ae Certified
*Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Glidden Pork Builder	(666)	18.00	14.00	*2.99	4.00	9.27	9.00	As Certified
Glidden Pig Meal	(667)	21.25	18.00	3.16	3.50	8.60	8.00	As Certified
HALES & HUNTER CO. Chicago, Ill.								
Pioneer Pig & Hog Feed 20%	(713)	22.81	20.00	4.57	4.50	5.62	7.50	As Certified
KASCO MILLS, INC. Weverly, N. Y.								
Kaeco Pig - Hog Feed	(720)	21.81	20.00	4.39	4.00	6.55	8.00	As Certified
J. R. LEWIS MILL Oregon, Pa.								
J. R. L. Hog Feed	(576)	18.13	14.00	*1.22	3.00	6.02	6.00	As Certified
WALTER K. LONG Center Valley, Pa.								
High Standard Pig & Hog Feed	(360)	17.38	17.00	*3.13	3.75	5.99	7.75	As Certified
MARITIME MILLING CO., INC. Buffalo, N. Y.								
B. B. Pig & Hog Feed	(587)	16.56	14.00	*2.81	3.50	5.76	9.00	As Certified
B. B. Pig & Hog Feed	(268)	15.31	14.00	*3.04	3.50	6.00	9.00	As Certified
B. B. Pig & Hog Feed	(424)	17.69	14.00	3.21	3.50	5.68	9.00	As Certified
B. B. Pig & Hog Feed	(672)	15.50	14.00	3.48	3.50	6.07	9.00	As Certified
MAUSER & CRESSMAN Cataesquequa, Pa.								
M. & C. Pig Feed	(642)	16.94	14.50	3.96	4.00	5.51	6.00	As Certified
MAUSER MILL CO. Treichlers, Pa.								
Mauser's Mixed Hog Feed	(332)	16.56	16.00	3.17	3.00	6.17	6.00	As Certified
Mauser's Pig Meal	(662)	18.63	15.00	3.72	4.00	*6.34	4.50	As Certified
MCMILLEN FEED MILLS Port Wayne, Ind.								
Master Mix Hog Concentrate	(93)	38.06	35.00	2.36	2.00	5.55	8.00	As Certified
Master Mix Hog Fattener	(406)	18.63	14.00	2.68	2.00	3.15	7.00	As Certified
THE MIFFLINBURG FARMERS EXCHANGE, INC. Mifflinburg, Pa.								
Farmer's Pig & Hog Feed	(61)	16.06	14.50	3.58	3.50	6.16	9.00	As Certified
MINER-HILLARD MILLING CO. Wilkes-Barre, Pa.								
Superior Hog Retion	(344)	16.06	15.00	5.61	4.00	4.10	6.00	As Certified
MOR-LOU FARMS Fallsington, Pa.								
Mor-Lou Farms Pig & Hog Feed	(695)	20.06	15.00	4.08	4.00	7.47	7.00	As Certified
Mor-Lou Farms 21% Pig Starter	(700)	24.38	21.00	4.05	4.00	*6.58	5.50	As Certified
EDGAR W. MUTH Springtown, Pa.								
Muth's Pig Meal	(550)	17.56	14.00	*3.03	3.50	4.98	7.00	As Certified
P. J. OESTERLING & SON Butler, Pa.								
Pennsylvania State Farmer Hog Retion	(155)	13.88	14.00	3.93	4.00	7.91	9.00	As Certified
PRATT FOOD CO. Hammond, Ind.								
Pratte Pig & Hog Meal	(636)	18.13	16.00	4.11	4.00	5.88	8.00	As Certified
THE QUAKER OATS CO. Chicago, Ill.								
Quaker Pig-N-Hog Feed	(402)	19.69	16.00	4.17	3.50	7.52	10.00	As Certified
Quaker Pig-N-Hog Feed	(466)	16.31	16.00	3.85	3.50	6.84	10.00	As Certified
Full-O-Pep Pig-N-Sow Feed	(403)	16.69	16.00	3.96	4.00	8.18	8.00	As Certified
RALSTON PURINA CO. St. Louis, Mo.								
Purina Hog Fetene	(229)	15.88	14.00	3.41	3.00	6.13	7.00	As Certified
*Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
War Time Hog Chow Supplement (601) ROBERTS FEED MILL Peckville, Pa.	P. ct. 35.94	P. ct. 35.00	P. ct. 4.95	P. ct. 3.00	P. ct. 9.25	P. ct. 14.00	Aa Certified
Rob Rose Pig & Hog Meal (564) H. ROCKWELL & SON Canton, Pa.	17.81	16.00	*2.47	4.00	4.82	5.50	Aa Certified
Rockwell's Pig Ration (597) S & R FEED CO. Quakertown, Pa.	17.00	14.00	*3.10	4.25	4.51	7.00	Aa Certified
S & R Hog Feed (362) J. H. SNOOK MILLS Mifflinburg, Pa.	17.00	14.00	3.70	3.50	7.00	7.00	Ae Certified
Snook's Pig-N-Hog Ration (65) SNYDER MILLING CO. Nazareth, Pa.	*14.88	17.00	4.05	4.50	6.79	10.00	Aa Certified
State College 4-3-2-1 Hog Feed (542) SOMERSET MILLING CO. Somerset, Pa.	17.94	15.00	*3.00	4.00	4.98	8.00	Ae Certified
Just Right Hog Feed (535) D. A. STICKELL & SONS, INC. Hagerstown, Md.	20.38	15.00	*3.36	4.00	*5.88	5.00	Ae Certified
Blue Ridge Pig & Hog Ration (472) STUDEBAKER & FAWCETT Enon Valley, Pa.	19.13	17.00	3.28	3.00	5.41	6.00	Ae Certified
Valley 15% Pig & Hog Meal (456) SUNBURY MILLS, INC. Sunbury, Pa.	23.44	15.00	4.04	3.00	6.73	8.00	Aa Certified
Sunbury Hog & Pig Feed (54) P. O. SUNDAY Cerulea, Pa.	17.81	16.00	3.55	3.00	6.19	8.00	Ae Certified
Cumberland Pig Meal (462) THORPE, BAKER & CO. Cerbondale, Pa.	16.31	15.00	3.91	4.50	6.08	9.00	Ae Certified
Pig & Hog Feed (585) TIOGA MILLS, INC. Waverly, N. Y.	22.19	15.00	5.26	2.50	6.88	6.00	Aa Certified
Tioga Brood Sow & Shout Feed (650) JACOB TRINLEY Linfield, Pa.	17.00	14.50	3.43	3.00	5.29	8.50	Ae Certified
Real Hog Feed (423) VANDERVORT MILLS Laceyville, Pa.	20.75	18.00	3.81	4.00	7.33	10.00	Ae Certified
Vandervort Hog Ration (174) Vandervorts Hog Ration (319) R. A. WESTERMAN Sarver, Pa.	*17.25 *17.63	20.00 20.00	4.55 4.09	4.50 4.50	5.02 5.15	7.00 7.00	Ae Certified As Certified
Home Mix Hog Feed (436) WRIGHT MILLING CO. Claysburg, Pa.	18.25	16.00	*2.50	4.00	4.76	8.00	As Certified
Wright's Pig & Hog Feed (246) Average	17.50 19.79	15.00 ----	2.67 3.63	3.00 ----	6.05 6.16	10.00 ----	Ae Certified
*Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
<u>Proprietary Sheep & Goat Feed</u>	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
EASTERN STATES FARMERS' EXCHANGE West Springfield, Pa.							
Eastern States Sheep & Goat (511)	14.56	16.00	3.91	3.50	6.71	7.50	As Certified
WALTER K. LONG Center Valley, Pa.							
Seted High Standard Goat Feed (358)	15.50	14.00	3.64	4.00	6.88	6.00	As Certified
Average	15.03	----	3.77	----	6.79	----	
<u>Proprietary Chop Feeds</u>							
R. S. ALTMAN Irwin, Pa.							
Special Chop (372)	21.06	9.00	4.04	3.00	4.68	10.00	As Certified
COOPERATIVE G. I. F. MILLS, INC. Buffalo, N. Y.							
Merley & Oete Half & Half (296)	12.81	11.00	3.39	3.00	7.09	10.00	As Certified
MINER-HILLARD MILLING CO. Wilkes-Barre, Pa.							
Fixed Chop (345)	10.00	10.00	4.34	3.50	4.07	5.00	As Certified
Average	14.62	----	3.92	----	5.28	----	
<u>Proprietary Scratch Feed</u>							
EASTERN STATES FARMERS' EXCHANGE West Springfield, Mass.							
Scratch Grains (434)	13.88	9.50	2.70	2.50	1.99	5.00	As Certified
JOHN W. ESHELMAN & SONS Lancaster, Pa.							
Red Ross Chick Grains (206)	14.38	10.00	2.96	2.50	2.58	3.00	As Certified
Red Ross Intermediate Chick Grains (208)	13.88	9.00	3.27	2.50	2.22	3.00	As Certified
Red Ross Pigson Feed (215)	13.63	12.00	2.78	3.00	3.38	4.00	As Certified
KASCO MILLS, INC. Waverly, N. Y.							
Kasco Apex Scratch Grains (522)	13.61	9.00	2.40	2.50	4.28	4.00	As Certified
MARITIME MILLING CO., INC. Buffalo, N. Y.							
Maritime Special Scratch (267)	13.63	9.00	2.50	2.50	3.53	7.00	As Certified
PARK & POLLARD CO. Buffalo, N. Y.							
Park & Pollard Economy Scratch (418)	15.06	10.00	2.86	1.50	3.01	5.00	As Certified
PHILADELPHIA SEED CO., INC. Philadelphia, Pa.							
Urgrein Flying Feed (382)	13.00	13.00	3.44	3.00	3.08	5.00	As Certified
Urgrein Conditioning Feed (383)	17.19	14.00	2.69	3.00	3.97	5.00	As Certified
Urgrein (381)	20.44	18.00	2.32	1.50	4.12	4.50	As Certified
PRATT FOOD CO. Hammond, Ind.							
Pratt's Chick Scratch Feed (223)	13.50	10.00	1.98	2.00	1.76	4.00	As Certified
READING MILLING CO. Reading, Pa.							
Red Grains Intermediate for Poultry (422)	14.19	10.00	*2.33	3.00	2.59	4.00	As Certified
SUNBURY MILLS, INC. Sunbury, Pa.							
Sunbury Scratch Feed (57)	12.75	9.50	2.43	2.50	2.62	4.00	As Certified
JACOB TRINLEY Linfield, Pa.							
Favorite Scratch Grains (427)	14.25	9.00	2.65	2.00	4.12	5.00	As Certified
Efficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

200-4-40

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
UBIKO MILLING CO. Cincinnati, Ohio							
Ubiko 20% Sweet Union Greins (446)	26.63	20.00	4.61	4.00	8.85	10.00	As Certified
Average	15.35	----	2.79	----	3.47	----	
<u>Proprietary Mash Feed</u>							
ALLIED MILLS, INC. Chicago, Ill.							
Amco Tip Top Egg Mesh (479)	23.25	20.00	4.00	3.50	6.38	8.00	As Certified
Amco Growing Mesh (478)	24.13	17.00	3.56	3.50	5.65	7.00	As Certified
Amco Super Sterting & Growing Mesh (480)	21.13	18.00	*3.06	3.50	6.15	7.00	As Certified
Wayne Egg Mesh (138)	21.63	20.00	3.77	3.50	6.31	8.00	As Certified
Wayne Egg Mesh (506)	24.44	20.00	4.03	3.50	6.30	8.00	As Certified
Wayne Fluehing Mesh (507)	24.44	20.00	3.87	3.00	4.00	6.00	As Certified
Wayne Growing Mesh (137)	19.38	16.00	4.94	3.50	5.49	7.00	As Certified
Wayne Turkey Grower (505)	23.00	20.00	3.67	3.50	5.54	8.00	As Certified
R. S. ALTMAN Irwin, Pa.							
Buttermilk Growing Mesh (380)	18.31	16.00	3.49	3.00	4.64	9.00	As Certified
Buttermilk Growing Mesh (415)	20.69	16.00	3.86	3.00	5.10	9.00	As Certified
Buttermilk Growing Mesh (515)	19.56	16.00	2.89	3.00	4.00	9.00	As Certified
Buttermilk Sterting & Broiler (377)	21.00	15.00	3.05	3.00	3.93	8.00	As Certified
Buttermilk Sterting & Broiler (414)	19.88	15.00	3.97	3.00	5.09	8.00	As Certified
Buttermilk Sterting & Broiler (627)	19.50	15.00	4.01	3.00	5.48	8.00	As Certified
Quality Egg Mesh (374)	25.69	18.00	4.12	3.00	4.63	9.00	As Certified
Quality Egg Mesh (498)	21.94	18.00	3.78	3.00	6.34	9.00	As Certified
Super A Yeast Egg Mesh (140)	22.44	22.00	3.64	3.50	5.16	8.00	As Certified
Super A Yeast Egg Mesh (371)	20.88	22.00	3.79	3.50	4.93	8.00	As Certified
Super A Yeast Egg Mesh (412)	24.44	22.00	4.44	3.50	5.73	8.00	As Certified
Super A Egg Mesh (413)	25.06	22.00	4.63	3.50	5.66	8.00	As Certified
Super A Yeast Egg Mesh (517)	23.88	22.00	3.75	3.50	4.32	8.00	As Certified
Super A Yeast Egg Mesh (628)	24.19	24.00	4.38	4.50	5.89	8.00	As Certified
Super A Egg Mesh (634)	23.56	22.00	4.76	3.50	6.03	8.00	As Certified
Yeast Growing Mesh (141)	20.00	16.00	3.50	3.00	6.56	9.00	As Certified
Yeast Growing Mesh (254)	19.38	16.00	3.81	3.00	5.66	9.00	As Certified
Yeast Growing Mesh (379)	18.75	16.00	3.41	3.00	4.80	9.00	As Certified
Yeast Growing Mesh (499)	21.06	16.00	3.56	3.00	5.34	9.00	As Certified
Yeast Growing Mesh (626)	20.94	16.00	3.97	3.00	6.42	9.00	As Certified
Altman's Yeast Sterter & Broiler (516)	18.06	17.00	3.26	3.00	4.51	8.00	As Certified
Super A Yeast Starter & Broiler (378)	21.25	17.00	3.47	3.00	3.89	8.00	As Certified
A. J. BALSBI Cetawissa, Pa.							
Must Gro Growing Mesh (204)	17.94	19.00	4.11	3.50	6.76	8.00	As Certified
Must Ley Laying Mesh (202)	19.69	19.00	4.35	3.50	6.40	8.00	As Certified
Must Live & Gro Sterter (203)	19.44	19.00	4.77	3.50	7.85	8.00	As Certified
BEDFORD MILLING CO. Bedford, Pa.							
Bedford Economy Layer (663)	17.63	18.00	3.29	3.00	7.57	8.00	As Certified
Bedford 32% Poultry Concentrate (100)	37.94	32.00	*2.63	3.50	8.57	8.00	As Certified
H. C. BEERITS' SONS Somerset, Pa.							
Bob-Bee Laying Mesh (536)	15.63	17.00	3.20	3.50	5.39	7.50	As Certified
C. D. BELL & SON Hop Bottom, Pa.							
C. D. Bell's Hen Mesh (171)	17.13	18.00	4.20	4.00	4.83	7.50	As Certified
THE BIG FOUR MILLS LTD. Covington, Ky.							
O. K. Broiler Mesh (212)	22.75	20.00	3.62	3.50	6.26	6.00	As Certified
BRISTOL FLOUR, FEED & GRAIN CO. Bristol, Pa.							
Pearson's Growing Mesh (690)	17.50	16.00	*2.90	4.00	5.50	8.00	As Certified
Pearson's 20% Laying Mesh (689)	*17.69	20.00	*2.84	4.00	6.48	8.00	As Certified
BROWN & FASSETT Tunkhannock, Pa.							
B & F Broiler Growing Mesh (164)	15.81	14.50	4.41	4.50	5.12	6.00	As Certified
B & F Growing Mesh (161)	16.81	17.50	4.93	4.50	4.98	6.00	As Certified
B & F Favorite Dry Mesh (162)	19.75	18.00	4.81	5.00	5.30	9.00	As Certified
B & F C-Ka General Growing Mesh (168)	17.19	14.50	5.04	4.50	5.67	6.00	As Certified
B & F C-Ka General Starting Mesh (167)	16.25	14.50	5.08	4.50	5.68	6.00	As Certified
B & F Turkey Growing Mesh (169)	24.25	20.00	5.05	4.00	4.58	8.00	As Certified

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

1-40

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
JOHN S. BROWN'S SON New Castle, Pa.								
ur Quality Laying Mash	(445)	23.25	20.00	3.81	4.00	5.47	7.00	As Certified
BUSHKILL MILLING CO. Easton, Pa.								
uehkill Egg Mash	(541)	19.50	18.00	*3.44	4.00	4.98	10.00	Aa Certified
J. A. CADWALLDER YARDLEY MILL Yardley, Pa.								
eyatone Life Cycle Poultry Mash	(704)	19.25	16.00	3.62	3.50	*6.57	5.00	Aa Certified
F. P. CASSEL'S SON Lanedale, Pa.								
hrift Egg Mash Food	(365)	20.63	19.00	4.63	4.50	5.20	7.00	As Certified
uccess Chick Mash Food	(366)	17.19	16.50	4.53	4.50	6.21	7.00	Aa Certified
CITY FLOURING MILLS, INC. Muncy, Pa.								
uncy Laying Mash	(621)	20.25	10.00	4.07	4.00	6.47	7.00	Aa Certified
uncy Starting & Growing Mash	(624)	20.88	17.00	4.35	4.00	6.95	7.00	Ae Certified
CLARK'S FEED MILLS Shemokin, Pa.								
lark's All Mash Laying Mash	(194)	16.88	15.50	3.37	3.50	5.24	8.00	Ae Certified
lark's Broiler Mash	(188)	18.25	17.00	*3.34	4.00	6.81	7.00	Aa Certified
lark's Chick Starter	(189)	17.00	17.00	*3.44	4.00	6.35	6.50	As Certified
lark's Growing Mash	(187)	18.44	18.00	3.91	3.50	6.37	7.50	As Certified
lark's Laying Mash	(186)	18.50	20.00	3.61	3.50	6.73	7.50	As Certified
lark's 32% Mash Supplement	(196)	*28.50	32.00	6.99	3.50	7.10	8.00	Ae Certified
lark's Mixing Ration	(191)	*22.00	24.00	6.75	3.50	7.77	12.00	Aa Certified
lark's Turkey Grower	(184)	*18.69	21.00	3.27	3.50	5.72	8.00	As Certified
COOPERATIVE G. L. F. MILLS, INC. Buffalo, N. Y.								
reeder Mash	(294)	22.69	19.50	2.84	2.50	5.31	7.00	As Certified
lick Starter	(291)	20.63	20.00	3.06	2.50	4.82	6.50	Aa Certified
litting Rations	(299)	13.19	12.00	3.05	2.50	5.89	9.00	Aa Certified
rowing Mash	(293)	22.50	20.00	2.98	2.50	5.02	7.50	As Certified
L F Laying Mash	(172)	23.88	20.00	3.03	2.50	5.66	7.00	As Certified
ying Mash	(292)	22.31	20.00	3.53	2.50	4.47	7.00	As Certified
yer Mixing Mash	(295)	32.94	32.00	3.65	1.50	7.98	8.00	Aa Certified
L F Turkey Grower	(173)	19.44	20.00	3.41	2.50	5.87	7.00	As Certified
PENNSYLVANIA FARM BUREAU CO-OP. ASSN. Harrisburg, Pa.								
rowing Mash	(126)	19.31	17.50	3.25	3.00	5.47	7.50	Ae Certified
rowing Mash	(135)	20.25	17.00	2.40	2.50	5.55	7.50	As Certified
uper Laying Mash	(127)	22.31	20.00	3.36	3.00	5.94	7.00	As Certified
uper Laying Mash	(136)	19.94	18.00	3.13	2.50	5.49	7.00	As Certified
o-operative Super Laying Mash	(273)	18.25	18.00	2.77	2.50	5.82	7.00	As Certified
DAYTON MILLING CO. Towanda, Pa.								
yton's Economy Mash	(301)	20.56	19.00	3.35	3.70	5.45	8.00	Ae Certified
yton's Growing Mash	(302)	18.00	17.00	3.55	3.80	5.57	8.00	As Certified
yton's Ideal Laying Mash	(300)	21.38	19.00	3.40	3.70	5.10	8.00	Aa Certified
yton's Starter & Grower	(303)	19.13	19.00	3.37	3.80	5.29	8.00	Aa Certified
DIAMOND MILLING CO. New Brighton, Pa.								
iamond Clear Up Mash	(146)	18.88	16.00	2.96	3.00	*5.55	4.00	As Certified
iamond Laying Mash	(144)	21.38	18.00	3.15	3.50	7.37	8.00	Aa Certified
iamond Layer Mash	(142)	18.94	20.00	*2.81	3.50	5.45	8.00	As Certified
iamond Mono Mash	(143)	*21.19	24.00	3.19	3.50	5.05	7.00	As Certified
iamond Starter Mash	(145)	19.44	18.00	*2.93	3.50	6.00	8.50	As Certified
DIETRICH AND GAMBRILL, INC. Frederick, Md.								
& G Frederick Laying Mash	(105)	20.13	18.00	3.78	3.50	6.13	9.00	As Certified
& G Turkey Growing Mash	(103)	24.06	20.00	3.98	4.00	7.13	8.00	As Certified
DUBLIN MILLING CO., INC. Duhlin, Pa.								
blin Laying Mash	(118)	22.00	18.00	4.38	4.40	6.85	7.20	As Certified
blin Mineral Starting & Growing Mash	(121)	20.00	17.50	4.08	4.00	6.33	6.50	As Certified
blin Starting & Growing Mash	(119)	17.44	18.00	3.92	4.00	5.54	5.25	Aa Certified
efficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

200-4-40

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
EASTERN STATES FARMERS' EXCHANGE West Springfield, Masa.								
All Meah Egg Pellets	(432)	19.81	15.50	3.75	3.00	5.30	5.50	As Certified
Eastern Statas Egg Mash	(150)	21.75	20.00	4.03	3.50	6.26	6.50	As Certified
Eastern States Egg Mash	(367)	21.31	20.00	3.96	3.00	6.35	7.00	As Certified
Egg Mash 20	(431)	22.69	20.00	3.65	3.00	6.00	7.00	As Certified
Eastern States Egg Mash	(495)	22.13	20.00	4.11	3.00	6.11	7.00	As Certified
Eastern States Egg Mash	(513)	19.00	20.00	3.99	3.00	5.23	7.00	As Certified
All Mash Developer	(433)	17.19	14.00	3.78	2.50	5.32	6.00	As Certified
Eastern Statas All Mash Daveloper	(514)	17.44	14.00	3.70	2.50	5.23	6.00	As Certified
Eastern States Davaloper	(368)	19.75	18.00	3.61	2.50	6.03	6.50	As Certified
Davaloper 18	(430)	20.06	18.00	3.92	2.50	6.03	6.50	As Certified
Eastern States Developer	(497)	21.38	18.00	3.85	2.50	5.55	6.50	As Certified
Eastern Statas Han Supplement	(528)	31.50	30.00	4.93	3.00	7.26	7.00	As Certified
Eastern States Hen Supplement	(512)	34.81	30.00	3.16	3.00	7.46	7.00	As Certified
Eastern States Starter & Broiler	(154)	18.88	18.00	3.26	2.50	5.03	6.50	As Certified
Starting & Broiler Ration	(429)	21.63	18.00	3.91	2.50	4.51	6.50	As Certified
Eastern States Starting & Broiler	(492)	22.06	18.00	3.78	2.50	3.82	6.50	As Certified
Eastern States Starting & Broiler	(509)	23.00	18.00	5.34	2.50	6.13	6.50	As Certified
Eastern States Starting & Broiler	(530)	21.31	18.00	3.90	2.50	4.79	6.50	As Certified
Eastern States 28% Supplement Feed	(508)	31.00	28.00	4.00	4.00	7.40	7.00	As Certified
Eastern States Turkey Grower	(152)	21.25	20.00	4.05	3.00	6.34	6.00	As Certified
Eastern States Turkey Grower	(496)	23.56	20.00	4.06	3.00	6.37	6.00	As Certified
JOHN W. ESHELMAN & SONS Lancaster, Pa.								
Rad Rosa Laying Mash	(205)	20.13	18.50	*3.42	4.00	6.61	7.50	As Certified
Eshelman Maintenance 18% Laying Mash	(441)	22.56	18.00	4.22	4.00	5.99	8.00	As Certified
Red Rosa Starter & Grower	(218)	17.94	16.00	3.65	4.00	6.68	7.00	As Certified
Eshelman Rad Rosa Starter & Grower	(443)	19.00	16.00	3.72	4.00	6.15	7.00	As Certified
Red Rose Starter & Grower with A. & D. Oil	(669)	17.50	16.00	*3.09	4.00	6.52	7.00	As Certified
Red Rosa Turkey Grower	(217)	20.13	16.00	3.56	3.75	7.18	6.50	As Certified
FACTORYVILLE MILLING CO. Factoryville, Pa.								
Miracle Laying Mash	(572)	20.81	20.00	4.33	4.00	6.73	8.00	As Certified
Miracle Starter & Grower	(571)	23.00	19.06	4.54	4.50	7.61	7.78	As Certified
FARMERS THRIFT MILL OF DURHAM, INC. Durham, Pa.								
Riegel's Egg Mash	(546)	23.63	20.00	3.29	3.00	5.98	7.00	As Certified
Riegel's Starter & Grower	(545)	24.19	18.00	3.06	3.00	5.68	6.50	As Certified
FLORY MILLING CO., INC. Bangor, Pa.								
Flory Broiler Mash	(330)	21.25	19.00	3.50	3.00	6.25	7.50	As Certified
Flory Laying Mash	(130)	21.63	20.00	3.52	3.50	5.76	7.50	As Certified
Flory Laying Mash	(327)	22.31	20.00	3.95	3.50	5.89	7.50	As Certified
Flory 18% Growing Mash	(328)	21.25	18.00	3.34	3.00	5.48	7.50	As Certified
Flory 28% Mixing Ration	(324)	*23.00	28.00	*3.12	4.00	6.19	10.00	As Certified
Flory Starter Mash	(131)	21.63	20.00	3.08	3.00	4.69	7.00	As Certified
Flory Starter Mash	(329)	21.94	20.00	4.00	3.00	7.30	7.00	As Certified
E. B. FREY Emaus, Pa.								
Red Feather Growing Mash	(688)	19.25	17.00	4.82	4.00	8.01	7.50	As Certified
Red Feather Laying Mash	(687)	18.81	20.00	4.81	4.50	*8.31	7.00	As Certified
D. D. FRITCH MILLING CO. Macungie, Pa.								
XXXX Fancy Growing Mash	(657)	21.50	18.00	4.09	4.00	*7.45	6.00	As Certified
XXXX Fancy Laying Mash	(656)	23.31	20.00	4.87	4.00	7.23	7.50	As Certified
XXXX Fancy Turkey Grower	(658)	21.06	19.00	5.19	4.00	6.47	7.00	As Certified
GENERAL MILLS FARM SERVICE DIVISION Minneapolis, Minn.								
Challenge Egg Mash	(147)	*13.94	18.00	4.05	4.00	6.72	8.00	As Certified
Challenge Egg Mash	(533)	20.13	20.00	*3.46	4.00	5.21	8.00	As Certified
GENERAL MILLS, INC. LARROWE DIVISION Detroit, Mich								
Larro 18% Broiler Feed	(226)	18.13	18.00	3.29	3.50	4.26	7.00	As Certified
Larro 18% Broiler Feed	(619)	19.00	18.00	3.25	3.00	5.06	7.00	As Certified
Larro Chick Builder	(224)	20.50	19.00	3.15	3.50	5.25	7.00	As Certified
Larro Chick Builder	(617)	20.31	19.00	2.98	3.00	4.02	7.00	As Certified
Larro Chick Builder	(702)	22.06	19.00	3.15	3.50	6.43	7.00	As Certified
Larro Egg Mash	(225)	19.25	18.00	3.65	4.00	5.28	8.00	As Certified
Larro Egg Mash	(438)	19.81	18.00	3.94	4.00	4.61	8.00	As Certified
Larro Egg Mash	(615)	19.69	18.00	3.92	3.25	5.27	8.00	As Certified
*Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Barro Egg Mash	(701)	19.81	18.00	3.98	4.00	5.29	8.00	As Certified
Barro Turkey Finisher	(614)	20.13	19.00	3.45	3.00	4.77	7.50	As Certified
THE GLIDDEN CO. Indianapolis, Ind.								
Glidden Laying Mash	(664)	21.88	20.00	*2.65	3.50	4.52	8.00	As Certified
H. H. GOOD Lancaster, Pa.								
Good's Concentrate	(42)	36.31	38.00	6.72	4.00	7.67	7.00	As Certified
GOODS CITY MILLS INC. Williamsport, Pa.								
Goods Growing Mash	(671)	18.69	18.00	5.56	4.00	6.90	7.00	As Certified
HALES & HUNTER Chicago, Ill.								
Red Comb Egg Mash	(256)	19.19	18.00	3.48	3.50	5.60	7.00	As Certified
Morning Glory Egg Mash	(257)	21.81	20.00	3.64	3.50	6.06	8.00	As Certified
Red Comb Chick Starter	(711)	22.25	18.00	3.46	3.50	5.44	6.00	As Certified
F. D. HARTZEL'S SONS CO. Chalfont, Pa.								
Perfection Egg Mash	(369)	19.94	----	3.30	----	6.98	----	As Certified
Perfection Growing Mash	(370)	19.13	17.00	*3.78	5.00	7.45	7.00	As Certified
HEFTY MILLING CO. Wetsontown, Pa.								
Hefty's Starting & Growing Mash	(69)	19.00	17.00	4.20	4.00	4.61	6.50	As Certified
Hefty's Laying Mash	(70)	18.38	18.00	3.88	4.00	5.80	7.00	As Certified
I. B. HEIMBACH & SON East Greenville, Pa.								
Heimbach's Squares Deal Starter & Grower	(351)	18.63	16.00	4.61	4.00	*6.64	6.00	As Certified
HONESDALE FLOUR & FEED CO. Honesdale, Pa.								
Hru-Mix Laying Mash	(579)	19.69	18.00	5.56	5.00	5.48	6.50	As Certified
HUBBARD MILLING CO. Mankato, Minn.								
Hubbard's Sunshins Concentrate	(698)	33.06	32.00	*2.31	3.00	5.77	7.00	As Certified
KASCO MILLS, INC. Waverly, N. Y.								
Kasco All Mash Chick Starter	(714)	22.19	18.00	3.98	3.00	*8.12	6.50	As Certified
Kasco All Mash Grower	(523)	15.38	15.00	3.47	3.00	4.63	7.00	As Certified
Kasco Body Builder	(311)	17.31	15.00	3.68	3.00	6.45	7.00	As Certified
Kasco Egg Producer	(312)	21.63	20.00	3.88	3.00	6.19	7.50	As Certified
Kasco Egg Producer	(685)	21.38	20.00	4.73	3.00	7.57	7.50	As Certified
Kasco Egg Producer	(709)	20.75	20.00	4.24	3.00	6.96	7.50	As Certified
KNERR & MATTERN West Point, Pa.								
Knerr Egg Mash	(703)	17.38	18.00	*3.97	5.00	5.67	7.00	As Certified
S. C. KRIEBEL West Point, Pa.								
West Point Hen Mash	(352)	22.38	21.00	3.86	4.00	4.71	8.00	As Certified
WALTER K. LONG Center Valley, Pa.								
Wested High Standard Egg Mash	(361)	18.88	20.00	3.79	4.00	5.36	6.50	As Certified
LYCOMING MILLS Williamsport, Pa.								
Lycoming Growing Mash	(409)	21.06	18.00	4.36	4.00	5.89	8.00	As Certified
Lycoming Laying Mash	(410)	21.88	19.00	4.48	4.50	5.20	8.00	As Certified
Lycombs Starter Mash	(408)	21.13	18.00	4.06	4.50	6.17	8.00	As Certified
MANN & ALTHOUSE Easton, Pa.								
Mann & A Growing Mash	(544)	18.44	18.50	*3.77	5.63	4.17	5.00	As Certified
Mann & A Laying Mash	(543)	*19.69	22.19	4.17	4.40	5.06	6.37	As Certified
Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

200-4-49

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
MARITIME MILLING CO., INC. Buffalo, N. Y.							
B.-B. Broiler Ration (684)	22.63	20.00	3.18	3.50	4.53	7.00	As Certified
B.-B. Complete Chick Starter Ration (715)	27.06	20.00	4.02	3.50	6.17	7.00	As Certified
B.-B. Egg Mash (227)	20.94	20.00	4.30	3.50	5.89	9.00	As Certified
B.-B. Egg Mash (426)	21.56	19.00	*3.05	3.50	5.38	8.00	As Certified
B.-B. Egg Mash (674)	23.94	20.00	*2.83	3.50	5.16	9.00	As Certified
B.-B. Egg Mash (708)	20.75	20.00	3.30	3.50	5.16	9.00	As Certified
B.-B. Egg Mash Vitamized (707)	20.88	17.00	3.21	3.50	5.71	8.00	As Certified
B.-B. Growing Mash Vitamized (676)	18.69	17.00	3.84	3.50	5.63	8.00	As Certified
B.-B. Growing Mash (675)	19.19	17.00	3.58	3.50	5.17	8.00	As Certified
B.-B. Growing Mash (673)	26.38	20.00	4.13	3.50	5.03	7.00	As Certified
B.-B. Layer & Breeder Mash (264)	36.50	32.00	5.03	3.50	6.57	9.00	As Certified
B.-B. Mixing Feed (Farmers) (269)	21.94	17.00	*3.38	4.00	6.25	7.00	As Certified
B.-B. Station Fattening Feed (428)	23.00	18.00	3.42	3.50	6.43	8.00	As Certified
B.-B. Turkey Growing Mash (228)	21.25	18.00	3.75	3.50	5.89	8.00	As Certified
MAUSER & CRESSMAN Catasaqua, Pa.							
Laying Mash (640)	16.00	18.00	3.26	3.00	5.08	8.00	As Certified
Special Laying Mash (639)	17.44	17.00	3.42	3.00	5.22	8.00	As Certified
Poultry Mash for Growing Chicks (641)	17.50	15.00	3.05	3.00	5.16	8.00	As Certified
MAUSER MILL CO. Treichlers, Pa.							
Mauser's Chick Starter (335)	17.81	17.00	3.98	4.00	5.56	6.00	As Certified
Mauser's Chick Starter & Broiler Mash (336)	20.13	21.00	4.05	3.50	6.48	7.00	As Certified
Mauser's Egg Mash (334)	19.38	20.00	4.03	4.00	5.63	8.00	As Certified
Mauser's 20% Egg Mash (661)	22.69	20.00	3.98	4.00	6.81	8.00	As Certified
Mauser's Growing Mash (333)	18.75	18.00	4.12	4.00	5.68	6.50	As Certified
Mauser's 18% Growing Mash (660)	20.88	18.00	3.76	4.00	7.19	7.00	As Certified
Mauser's Hen Food (337)	13.69	9.00	2.40	2.00	3.68	4.00	As Certified
MCMILLEN FEED MILLS Ft. Wayne, Ind.							
Master Mix Broiler Mash (409)	25.81	20.00	4.54	2.50	3.99	7.00	As Certified
Master Mix Egg Mash (90)	19.88	19.00	2.72	2.50	5.27	7.00	As Certified
Master Mix Growing Mash (91)	22.63	16.00	2.77	2.50	5.05	7.00	As Certified
Master Mix 34% Mash Concentrate (88)	37.13	34.00	2.51	2.00	5.87	7.50	As Certified
Master Mix Turkey Grower (407)	20.44	18.00	3.95	2.50	4.49	7.00	As Certified
Master Mix Turkey Starter (405)	27.19	25.00	4.24	2.50	4.23	7.00	As Certified
MANHADEN FISH MEAL CO. Baltimore, Md.							
Proteast Concentrate (288)	43.25	38.00	6.85	5.00	2.60	6.00	As Certified
THE MIFFLINBURG FARMERS EXCHANGE, INC. Mifflinburg, Pa.							
Farmers Egg Mash (62)	17.56	18.00	3.95	4.00	5.14	8.00	As Certified
Farmers Starting & Growing Mash (63)	17.13	16.50	3.86	4.00	5.10	6.50	As Certified
MINER-HILLARD MILLING CO. Wilkes-Barre, Pa.							
Superior Fattening Mash (341)	12.38	12.00	6.28	4.00	4.01	6.00	As Certified
A-1 Growing Mash (339)	17.25	17.00	6.19	4.50	5.17	6.50	As Certified
A-1 Laying Mash (340)	19.50	20.00	6.30	4.50	4.87	7.00	As Certified
MOR-LOU FARMS Fallsington, Pa.							
Mor-Lou Farms Chick Starter Mash (699)	20.44	18.00	4.31	4.00	5.14	6.00	As Certified
Mor-Lou Farms 20% Egg Mash (696)	21.25	20.00	3.97	4.00	5.89	7.50	As Certified
Mor-Lou Farms Growing Mash (697)	19.94	18.00	4.34	4.00	6.68	7.00	As Certified
MOSCOW MILLING CO. Moscow, Pa.							
Moscow Milling Co., Laying Mash (570)	21.19	19.00	5.56	5.00	7.47	9.00	As Certified
MOYER & SON Souderton, Pa.							
Five Parts Mash (124)	21.19	21.00	5.80	5.00	6.90	8.00	As Certified
Iodized Laying Mash (123)	19.06	18.75	4.82	5.00	*7.55	8.25	As Certified
Starter & Broiler Mash (122)	19.19	18.50	4.53	4.00	*5.71	5.00	As Certified
EDGAR W. MUTH Springtown, Pa.							
Muth's Egg Mash (548)	21.00	17.00	3.49	3.50	6.18	8.00	As Certified
Muth's Growing Mash (549)	20.56	16.00	*3.53	4.00	6.23	7.00	As Certified
*Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
P. J. OESTERLING & SON Butler, Pa.								
Unaide Egg Mash with Buttermilk	(156)	*15.63	20.00	*3.56	4.00	5.39	7.50	As Certified
Unaide Growing Mash	(157)	17.56	16.00	*3.45	4.00	6.84	7.50	As Certified
PARK & POLLARD Buffalo, N. Y.								
Lay or Bust Dry Mash	(416)	21.00	18.00	3.38	3.00	7.12	7.00	As Certified
Lay or Bust Dry Mash	(531)	22.13	18.00	3.00	3.00	7.49	7.00	As Certified
Park & Pollard Growing Feed	(419)	18.69	16.00	2.94	3.00	5.37	7.00	As Certified
PENN SALMON FEED MILLS Eddington, Pa.								
Penn Supreme Chick Starter	(693)	18.38	16.00	4.21	4.00	6.40	6.00	As Certified
Penn Supreme Growing Mash	(692)	17.00	17.00	3.84	4.00	*7.45	6.50	As Certified
Penn Supreme Laying Mash	(691)	*16.69	20.00	3.70	4.00	2.59	6.00	As Certified
PETERSBURG MILLING CO. Beasomer, Pa.								
Pemico Laying Mash	(453)	22.38	20.00	3.93	3.50	5.82	8.00	As Certified
Pemico Starting & Growing Mash	(452)	19.38	16.00	3.66	3.50	6.33	8.00	As Certified
PINE RUN FARM SUPPLY Doylestown, Pa.								
Pine Run Egg Mash	(554)	24.13	20.00	*3.99	4.50	5.43	7.00	As Certified
Pine Run Starting & Growing Mash	(555)	23.00	17.50	4.27	4.50	6.69	6.50	As Certified
PRATT FOOD CO. Hammond, Ind.								
Pratt's Quality Broiler Mash	(222)	19.00	18.00	3.43	3.50	5.01	7.00	As Certified
Pratt's Chick Starter	(221)	19.19	18.00	*2.85	3.50	5.59	7.00	As Certified
Pratt's Growing Mash	(220)	16.88	16.00	*3.01	3.50	4.62	7.50	As Certified
Utility Growing Mash	(635)	16.81	14.00	3.50	3.50	4.67	8.00	As Certified
Pratt's Growing Mash	(637)	17.38	16.00	3.04	3.50	5.92	7.50	As Certified
Pratt's Laying Mash, Pelleted	(219)	20.13	20.00	3.66	3.50	5.96	7.25	As Certified
THE QUAKER OATS CO. Chicago, Ill.								
Big Egg Chick Starter-Growing Mash	(249)	18.94	17.00	4.79	3.00	7.46	8.00	As Certified
Big Egg Laying Mash	(248)	21.00	20.00	3.98	4.00	6.80	8.00	As Certified
Pul-O-Pep Laying Mash	(525)	22.94	20.00	4.12	4.00	7.07	8.00	As Certified
Pul-O-Pep Egg Breeder Mash	(315)	22.75	20.00	5.79	4.50	5.00	8.00	As Certified
Pul-O-Pep Fattening Feed-Pellets	(308)	*13.25	15.00	4.65	4.50	6.70	7.50	As Certified
Pul-O-Pep Growing Mash	(401)	21.88	19.00	4.86	4.50	5.82	7.00	As Certified
Pul-O-Pep Super Greens	(310)	18.19	17.00	5.93	4.50	7.06	8.00	As Certified
RALSTON PURINA CO. St. Louis, Mo.								
Purina Breeder Lay Chow	(598)	23.44	22.00	4.25	3.50	5.43	8.00	As Certified
Purina Chicken Fatena	(404)	19.06	14.00	3.46	3.00	5.94	8.00	As Certified
Purina Chick Growena	(232)	18.75	17.00	4.00	3.50	4.68	7.00	As Certified
Purina Chick Growing Chow	(606)	25.63	23.00	4.42	3.50	6.21	7.00	As Certified
Purina Chick Growing Chow	(399)	26.81	23.00	4.86	3.50	5.18	7.00	As Certified
Purina 18% Lay Chow	(608)	20.44	18.00	3.91	3.00	7.70	8.00	As Certified
Purina 18% Lay Chow	(113)	21.88	18.00	3.82	3.00	5.55	8.00	As Certified
Purina 18% Lay Chow	(234)	19.69	18.00	3.79	3.00	5.73	8.00	As Certified
Purina 22% Lay Chow	(611)	24.13	22.00	*2.39	3.50	6.04	8.00	As Certified
Protana Laying Mash	(607)	21.69	19.00	3.37	3.50	7.61	8.00	As Certified
Purina Omolena	(610)	12.56	10.00	3.51	3.00	9.16	11.00	As Certified
Purina Turkey Fatena Checkers	(604)	18.19	14.00	3.70	3.50	6.38	7.00	As Certified
Purina Turkey Growena	(603)	22.38	18.00	4.00	3.50	6.40	7.00	As Certified
Purina War Time Bulky Lay Chow	(605)	16.38	12.00	2.74	2.00	14.25	15.00	As Certified
READING MILLING CO. Reading, Pa.								
Wertz Growing Mash	(420)	21.13	15.00	3.60	4.00	5.46	7.00	As Certified
Wertz Special Broiler Mash	(421)	22.56	13.00	*4.09	5.00	5.18	5.00	As Certified
RICHLAND FEED CO. Richlandtown, Pa.								
Growing Mash	(654)	24.63	16.00	3.56	3.00	6.54	6.00	As Certified
All Mash Starter & Grower	(653)	17.13	15.00	2.76	3.00	5.29	6.00	As Certified
J. S. RILEY & CO. New Castle, Pa.								
Pioneer Growing Mash	(457)	19.31	17.50	4.18	3.00	7.27	8.00	As Certified
Pioneer Laying Mash	(458)	21.06	18.00	4.07	4.00	6.98	8.00	As Certified

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

200-4-40

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
ROBERTS FEED MILL Peckville, Pa.								
Rob Rose Laying Mash	(565)	22.81	18.00	4.06	3.50	5.85	5.50	As Certified
H. ROCKWELL & SON Canton, Pa.								
C. F. D. Broiler Mash	(594)	20.06	20.00	4.38	4.00	5.99	8.00	As Certified
C. F. D. Growing Mash	(593)	22.94	19.00	4.57	4.50	6.52	9.00	As Certified
Rockwell's Production Mash	(591)	25.81	19.00	4.63	4.00	6.75	8.00	As Certified
Rockwell's Sterting & Growing Mash	(592)	24.56	19.00	4.82	4.50	6.18	7.00	As Certified
Han-O-La Mash with Oil	(596)	21.56	19.00	4.31	4.50	6.72	9.00	As Certified
S & R FEED CO. Quekertown, Pa.								
S & R Growing Mash	(364)	19.94	18.00	4.05	4.00	7.57	8.00	As Certified
S & R Laying Mash	(363)	18.88	20.00	4.58	3.50	6.82	7.00	As Certified
SHELLY BROTHERS Parkesie, Pa.								
Shelly Bros. Queliity Chick Sterter	(114)	18.69	17.00	4.97	3.50	5.93	7.50	As Certified
Shelly Bros. Queliity Growing Mash	(115)	18.25	17.00	4.88	3.50	6.16	7.50	As Certified
Shelly Bros. Queliity Laying Mash	(116)	20.63	18.50	4.84	3.50	6.24	7.50	As Certified
R. A. SMITH MILLING CO. Northampton, Pa.								
Blue Band Growing Mash	(644)	21.44	19.50	4.66	4.50	3.21	7.00	As Certified
Reson'e Laying & Breader Mash	(643)	21.13	18.00	*2.93	4.00	5.44	7.50	As Certified
Blue Band Turkey Developer	(646)	22.69	20.00	4.39	4.00	8.08	7.50	As Certified
J. H. SNOOK MILLS Mifflinburg, Pa.								
Just Right Egg Mash	(64)	17.13	18.00	4.47	5.00	5.97	8.00	As Certified
Just Right Starting & Growing Mash	(66)	16.19	16.50	4.79	4.00	6.91	7.00	As Certified
GEO. S. SNYDER, EST. Batfield, Pa.								
Snyder'e Best Egg Mash	(133)	17.94	17.00	3.95	4.00	5.13	6.50	As Certified
SNYDER MILLING CO. Nezereth, Pa.								
Gold Star Chick Starter	(540)	20.94	17.00	*3.59	4.50	5.79	6.00	As Certified
Gold Star Laying Mash	(539)	22.25	20.00	4.09	4.00	5.50	7.00	As Certified
SOMERSET MILLING CO. Somerset, Pa.								
Just Right Laying Mash	(534)	24.50	20.00	3.79	4.00	5.39	7.00	As Certified
SPRING GARDEN MILL Newtown, Pa.								
Spring Garden Mill Egg Mash	(559)	22.61	22.00	4.26	4.00	5.88	6.50	As Certified
Spring Garden Mill Sterter & Grower	(558)	22.13	18.50	4.26	4.00	6.57	7.50	As Certified
Spring Garden Turkey Developer	(560)	25.06	22.00	*4.02	5.00	5.47	6.50	As Certified
ELMER G. STAHL Zionsville, Pa.								
Stahl'e Egg Mash	(349)	20.44	20.00	4.16	4.00	6.14	6.50	As Certified
Stehl's Sterter & Grower	(350)	18.63	18.00	4.06	4.00	6.36	6.50	As Certified
JESSE C. STEWART CO. Pittsburgh, Pa.								
Red Letter Layer-Breader Mash	(255)	20.50	20.00	*3.68	4.50	6.00	8.00	As Certified
Red Letter Broiler Mash	(489)	20.44	18.00	*3.44	5.00	3.82	6.00	As Certified
Red Letter All Mash Chick Sterter & Grower	(490)	21.63	15.00	*3.46	5.00	4.18	6.00	As Certified
D. A. STICKELL & SONS Hegerstown, Md.								
Su-Pur Growing Mash	(473)	20.56	17.00	*2.99	4.00	5.17	6.00	As Certified
EDWIN F. STOVER EST. Parkesie, Pa.								
Stover's Diamond Growing Mash	(111)	19.38	18.00	4.27	4.00	6.97	7.00	As Certified
Stover'e Diamond Laying Mash	(110)	20.19	20.00	4.41	4.00	7.52	8.00	As Certified
*Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
STUDEBAKER & FAWCETT Enon Valley, Pa.								
lley 19% Laying Mash	(455)	21.50	19.00	3.71	3.50	5.52	8.50	As Certified
SUNBURY MILLS, INC. Sunbury, Pa.								
oge Broiler Feed	(48)	19.75	18.00	4.21	3.00	5.45	7.50	As Certified
icatine	(47)	19.56	18.00	4.78	3.00	6.28	7.50	As Certified
atine	(50)	25.94	20.00	3.56	3.00	4.78	7.50	As Certified
oge Flusher	(60)	19.50	15.00	3.59	2.50	4.54	6.00	As Certified
oga Grower	(51)	17.38	16.00	3.87	3.00	5.64	8.00	As Certified
ety Laying Food	(49)	19.13	18.00	3.58	3.00	5.12	7.50	As Certified
mbury Laying Mesh	(58)	21.31	20.00	3.81	3.00	5.91	10.00	As Certified
oge Sterter & Grower	(52)	18.25	17.00	3.96	3.00	6.48	7.50	As Certified
P. O. SUNDAY Carlisle, Pa.								
amberlend Chick Sterter	(460)	20.31	16.00	3.95	4.00	4.06	7.00	As Certified
amberlend Egg Mesh	(461)	21.00	20.00	4.83	4.00	6.02	6.00	As Certified
amberlend Feed Grow Meeh	(459)	19.69	17.00	4.13	4.00	5.06	7.00	As Certified
ALBERT J. THOMSON Wycombe, Pa.								
selmix 16 Deiry Feed	(561)	18.38	16.00	*3.50	4.00	*8.63	7.00	As Certified
selmix Sterter & Growing Mesh	(562)	20.25	17.00	4.13	4.00	4.99	6.00	As Certified
THORO-BRED FEED Volant, Pa.								
oro-bred 18% Growing Mesh	(451)	24.00	18.00	4.13	4.00	4.87	7.50	As Certified
oro-bred 20% Laying Mesh	(450)	24.63	20.00	4.22	4.00	5.52	7.50	As Certified
THORPE, BAKER & CO. Cerbondale, Pa.								
ed Tag Laying Mesh	(584)	22.31	19.00	5.33	3.00	7.13	8.00	As Certified
ed Tag Sterting & Growing Mesh	(586)	24.69	19.00	5.41	3.50	6.86	7.00	As Certified
THERIFT FEED MILL Doylestown, Pa.								
iriftee Egg Mesh	(551)	19.56	19.50	4.14	4.00	4.50	7.00	As Certified
iriftee Sterting & Growing Mesh	(552)	19.13	17.50	4.47	4.00	4.69	6.00	As Certified
TIOGA MILLS, INC. Waverly, N. Y.								
onditiontine	(686)	17.69	15.00	4.84	3.00	4.73	7.00	As Certified
etatine	(719)	23.56	20.00	3.33	3.00	5.10	7.50	As Certified
i-O-Ga Grower	(682)	18.75	16.00	3.58	3.00	5.44	8.00	As Certified
loge Grower	(647)	17.81	16.00	3.44	3.00	5.36	8.00	As Certified
asty Laying Food	(648)	19.94	18.00	3.00	3.00	5.50	7.50	As Certified
asty Laying Food	(718)	19.69	18.00	3.31	3.00	4.88	7.00	As Certified
JACOB TRINLEY & SONS Linfield, Pa.								
eel Egg & Breeder Mesh	(357)	20.75	20.00	3.68	4.00	5.37	6.50	As Certified
avorite Growing Mesh	(355)	16.56	16.00	*2.74	4.00	7.24	8.00	As Certified
eel Sterter & Broiler Mesh	(354)	18.56	16.00	*2.84	4.00	*7.24	6.00	As Certified
UBIKO MILLING CO. Cincinnati, Ohio								
biko Broiler Retion	(389)	23.69	18.00	4.31	4.00	7.20	6.50	As Certified
biko All-Mesh Developer	(393)	20.56	15.00	4.72	4.00	5.34	6.00	As Certified
biko Egg & Breeder Mesh	(386)	23.69	20.00	3.74	4.00	5.62	6.00	As Certified
biko Egg & Breeder Mesh	(447)	26.44	20.00	3.99	4.00	5.75	6.00	As Certified
turkey All Mesh Growing Retion	(387)	20.69	16.00	4.31	4.00	6.78	6.00	As Certified
biko Mesh Belencer	(448)	32.19	26.00	4.02	4.00	7.02	7.00	As Certified
biko All Mesh Sterter	(391)	16.69	16.00	4.03	4.00	5.19	5.00	As Certified
VANDERVORT MILLS Laceyville, Pa.								
uttermilk Mesh	(178)	23.25	20.00	4.44	4.00	5.71	8.00	As Certified
uttermilk Mesh	(316)	21.38	20.00	4.37	4.00	5.36	8.00	As Certified
vandervort Growing Mesh	(180)	19.63	17.00	4.06	4.00	7.03	8.00	As Certified
vandervort Growing Mesh	(322)	18.88	17.00	3.70	4.00	4.96	8.00	As Certified
vandervort Laying Mesh	(175)	19.44	20.00	3.82	4.00	5.45	8.00	As Certified
vandervort Laying Mesh	(320)	21.19	20.00	3.83	4.00	5.72	8.00	As Certified
vandervort Sterting & Growing Chick Meeh	(323)	22.38	20.00	4.80	4.00	6.03	7.00	As Certified
Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

200-4-90

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guer.	Found	Guer.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
VITALITY MILLS, INC. Chicago, Ill								
Honor Egg Mash	(524)	20.88	18.00	2.84	3.00	5.95	9.00	As Certified
Vitality Brand Growing Ration	(258)	19.00	16.00	3.54	3.00	6.15	7.50	As Certified
WAYMART MILLING CO. Waymart, Pa.								
Way Beet Breeding & Laying Mash	(583)	24.25	19.00	5.63	4.00	6.15	8.00	As Certified
WAYNE MILLING CO. Honesdale, Pa.								
Supreme Laying Mash	(580)	21.06	18.50	6.26	4.00	*9.53	7.50	As Certified
R. A. WESTERMAN Server, Pa.								
Home Mix-A-Egg Mash	(435)	18.25	18.00	3.27	3.50	6.06	7.00	As Certified
Home Mix Growing Mash	(437)	19.31	18.00	3.28	3.50	5.63	7.00	As Certified
F. S. YOST'S SON Pleasant Valley, Pa.								
Yoet's Special Poultry Mash	(652)	19.38	19.00	3.73	4.00	5.43	8.00	As Certified
Yoet's Starting & Growing Mash	(651)	21.25	16.00	2.91	3.00	5.89	7.00	As Certified
Average		20.90	----	3.93	----	5.88	----	
<u>Proprietary Small Animal Feed</u>								
CARNATION CO. Milwaukee, Wis.								
Friskiee Dog Food Cubes	(16)	28.44	22.00	4.52	4.00	3.01	4.00	As Certified
CHAMPION ANIMAL FOOD CO. Minneapolis, Minn.								
Dog Dainties	(80)	17.69	17.50	2.94	1.70	5.04	5.00	As Certified
CLARK'S FEED MILLS Shenokin, Pa.								
Clark's Dog Food	(185)	28.00	23.00	5.75	4.00	4.55	5.00	As Certified
Clark's Rabbit Pellets	(182)	16.75	13.50	3.39	3.00	7.19	10.00	As Certified
CLOVER HILL FARMS, INC. Gouldsboro, Pa.								
Horse Mast	(5)	29.43	29.43	1.28	1.28	0.17	0.17	As Certified
CO-OPERATIVE G. L. F. MILLS, INC. Buffalo, N. Y.								
60-40 Pellete	(290)	19.13	16.00	3.97	2.50	4.86	6.50	As Certified
JOHN W. ESHELMAN & SONS Lancaster, Pa.								
Red Rose Rabbit Feed Pelleted	(216)	13.94	14.00	3.24	3.50	8.08	9.50	As Certified
FLAG PET FOOD CORP. New York, N. Y.								
Pusey Cat Food (Dehydrated)	(1)	54.44	30.00	3.93	4.00	*4.47	2.00	As Certified
Flag Dog Food	(14)	36.75	30.00	*5.13	6.00	3.61	3.00	As Certified
Flag Dog Food	(74)	35.69	30.00	*4.88	6.00	*3.77	3.00	As Certified
FOXSTAND FOODS, INC. Boston, Mass.								
Sessified (Dried Mast for Dogs)	(2)	46.94	50.00	12.56	9.00	*1.91	1.00	As Certified
JOHN C. HAGLEY Easton, Pa.								
Horee Mast	(6)	25.62	21.61	4.59	5.99	0.10	0.16	As Certified
HARTZ MOUNTAIN PRODUCTS New York, N. Y.								
"Joy" Dehydrated Dog Food	(31)	29.06	24.00	8.10	7.00	3.46	4.00	As Certified
Dog Yummies	(32)	36.00	27.50	8.78	2.40	2.43	2.90	As Certified
HY GRADE FOOD PRODUCTS CORP. Cleveland, Ohio								
HY Gee Dog Ration	(75)	42.06	40.00	4.90	4.00	4.31	5.00	As Certified
*Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
KASCO MILLS, INC. Waverly, N. Y.								
Kasco Dehydrated Dog Retion	(8)	27.19	23.00	7.36	4.00	3.66	4.00	As Certified
Kasco Complete Rehhit Retion	(313)	15.88	12.00	3.86	2.00	10.35	15.00	As Certified
KELLOGG SALES CO. Battle Creek, Mich.								
Kro-Pup Dog Food	(19)	22.94	22.50	3.99	3.00	2.66	5.00	As Certified
Kro-Pup Dog Food	(76)	26.63	22.50	4.61	3.00	3.80	5.00	As Certified
KENNEL FOOD SUPPLY CO. Fairfield, Conn.								
Kro-Meeto	(483)	24.94	20.00	2.66	2.00	2.28	3.00	As Certified
LACKAWANNA ICE & STORAGE CO. Scranton, Pa.								
Korse Meet	(7)	31.43	31.43	15.07	15.07	0.34	0.34	As Certified
LARDAN PACKING CO. Meepeth, N. Y.								
Health-O (Dehydrated Dog Food Mix)	(4)	28.75	28.50	*3.72	5.00	1.46	4.00	As Certified
Star Dog Food Mix	(34)	*24.50	28.50	*4.12	5.00	1.53	4.00	As Certified
Happy Dog Food Mix	(36)	*24.50	28.50	4.78	5.00	1.55	4.00	As Certified
LOOSE-WILES BISCUIT CO. New York, N. Y.								
Justin's Dog Food	(78)	24.25	22.00	2.91	2.50	3.29	4.50	As Certified
MARITIME MILLING CO., INC. Buffalo, N. Y.								
Ant Club Dog Food	(77)	*23.19	25.00	4.42	3.50	2.89	4.00	As Certified
J. MARKS Philadelphia, Pa.								
Korse Meet (Frozen)	(3)	22.96	22.96	0.76	0.76	0.13	0.13	As Certified
MC MILLEN FEED MILLS Ft. Wayne, Ind.								
Master Mix Rehhit Pellete	(398)	18.50	14.00	3.23	2.00	8.04	11.00	As Certified
S. E. MIGHTON CO. Bedford, Ohio								
A. B. C. Dehydrated Diet 3	(10)	43.49	36.00	4.08	0.80	4.16	5.00	As Certified
Goodland Dehydrated Dog Food	(25)	44.48	36.00	4.68	0.80	4.28	5.00	As Certified
C. Powell's Dehydrated Dog Food	(11)	43.38	36.00	3.96	0.80	4.16	5.00	As Certified
JOHN MORRELL & CO. Ottumwa, Iowa								
Ad Heert Dehydrated Dog Retion	(9)	40.94	23.50	7.53	6.00	2.34	2.50	As Certified
Ad Heert Dog Food	(86)	35.75	36.00	6.90	6.00	2.87	2.50	As Certified
NATIONAL BISCUIT CO. New York, N. Y.								
Milk Bone Dog Biscuit	(23)	23.06	21.00	2.08	1.50	1.97	2.50	As Certified
Junior Milk Bone Dog & Puppy Biscuit	(79)	22.50	21.00	2.20	1.50	2.12	2.50	As Certified
Milk Bone Puppy Biscuit	(12)	23.38	21.00	2.09	1.50	2.09	2.50	As Certified
NATIONAL COAST PRODUCTS CORP. Swedesboro, N. J.								
Home Run Dog Food	(27)	25.31	25.00	2.41	2.00	2.50	4.00	As Certified
Home Run Dog Food	(44)	26.63	25.00	2.47	2.00	2.70	4.00	As Certified
NATIONAL OATS CO. Cedar Rapids, Iowa								
Rek Dog Food	(26)	29.50	25.00	5.08	4.00	2.61	5.00	As Certified
NEW RICHMOND MILLS New Richmond, Wis.								
Sw-Rich Dog Meal	(46)	24.63	23.00	3.54	2.50	3.95	4.00	As Certified
NORTHERN ILLINOIS CEREAL CO. Lockport, Ill.								
Se-Ground Oat Feed	(484)	4.56	3.50	1.21	1.25	32.01	35.00	As Certified
Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
OLYPHANT MILL & GRAIN CO. Olypbent, Pa.								
Omco Dog Food	(567)	30.25	24.00	5.26	3.50	5.48	5.50	As Certified
THE PARK & POLLARD CO. Buffalo, N. Y.								
Muncby Dog Food	(20)	27.06	26.00	4.39	4.00	2.68	4.50	As Certified
PENN FRUIT CO., INC. Philadelphia, Pa.								
Nieman's Meteor Dog Food	(83)	13.52	10.00	6.94	2.50	0.65	1.00	As Certified
Nieman's Meteor Dog Food	(87)	13.53	10.00	6.91	2.50	0.67	1.00	As Certified
PENN SALMON FEED MILLS Eddington, Pa.								
Penn Supreme Dog Food	(694)	27.31	25.00	6.51	4.00	4.28	5.50	As Certified
PERK FOODS CO. Chicago, Ill.								
Perk Kibbled Biscuit	(17)	32.13	30.00	*3.76	5.00	2.45	2.60	As Certified
Perk Kibbled Dog Food	(37)	30.31	22.00	4.52	5.00	2.20	3.00	As Certified
Perk Kibbled Dog Food	(73)	31.00	30.00	5.05	5.00	2.52	3.00	As Certified
RALSTON PURINA CO. St. Louis, Mo.								
Purina Rabbit Chow Checkers	(231)	15.69	14.50	3.75	2.00	13.35	18.00	As Certified
READY FOODS CO., INC. Chicago, Ill.								
Hi-Life Dog Food Kibbled Biscuit	(18)	31.50	27.00	*1.25	3.00	2.75	3.00	As Certified
J. S. RILEY & CO. New Castle, Pa.								
Riley's Tri-Blend Dog Food	(250)	*19.88	25.00	4.27	4.00	2.41	3.00	As Certified
SPRATTS PATENT LIMITED Newark, N. J.								
Spratts Cat Food	(22)	27.13	20.00	3.55	2.00	1.42	1.50	As Certified
STURDY DOG FOOD CO., INC. Syracuse, N. Y.								
Sturdy Dog Food	(13)	23.63	21.00	4.05	2.50	3.18	5.00	As Certified
SUNBURY MILLS, INC. Sunbury, Pa.								
Rabbitine	(59)	17.38	16.00	4.50	3.00	7.92	10.00	As Certified
SWIFT & CO. Chicago, Ill.								
Pard Dehydrated Swifts Dog Food	(24)	40.44	35.00	7.54	7.50	1.66	3.00	As Certified
Pard Dehydrated Swifts Dog Food	(84)	37.88	35.00	9.25	7.50	1.80	3.00	As Certified
UBIKO MILLING CO. Cincinnati, Ohio								
Ubiko Rabbit Pellets	(392)	15.88	12.00	3.48	3.50	11.36	12.00	As Certified
VITA-FRESH DOG FOOD CORP. Astoria, N. Y.								
Vita-Best Dog Meal	(40)	24.63	23.84	4.45	4.06	2.94	3.36	As Certified
Vita-Best Dog Meal	(538)	26.50	26.67	4.39	4.06	2.90	3.36	As Certified
Vita-Best Dog Meal	(630)	29.00	26.67	4.03	4.06	2.62	3.36	As Certified
Vita-Best Kibbled Dog Biscuit	(632)	25.50	24.31	2.91	2.41	1.38	3.61	As Certified
Vita-Best Kibbled Dog Biscuit	(633)	24.50	24.31	2.06	2.41	1.56	3.61	As Certified
VITALITY MILLS, INC. Chicago, Ill.								
Vitality Brand Rabbit Pellets	(259)	17.81	16.00	3.11	3.00	7.52	7.00	As Certified
WILSON & CO., INC. Chicago, Ill.								
Ideal Dog Food (Ideal V. T. Dog & Cat Food	(15)	37.50	34.50	7.38	7.00	2.53	4.00	As Certified
Ideal Dog Food (Ideal V. T. Dog & Cat Food	(21)	37.56	34.00	7.99	7.00	2.46	4.00	As Certified

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Real Dog Food (Ideal V. T. Dog & Cat Food (85)	32.56	34.00	9.77	7.00	3.71	4.00	As Certified
ZENITH NOVELTY CO. New York, N. Y.							
Easy-Bitey (A Sweetmeat for Dogs) (71)	21.31	15.00	2.19	1.75	2.10	3.00	As Certified
ANIMAL BY-PRODUCTS							
Steamed Bone							
THE BAUGH & SONS CO. Philadelphia, Pa.							
High's Sterilized Steamed Bone for Feeding(108)	5.94	5.00	1.24	0.20	*6.52	4.00	As Certified
Average	5.94	----	1.24	----	6.52	----	
Meat Meal							
READING BONE & FERTILIZER CO. Reading, Pa.							
Reading Meat Meal (260)	52.81	50.00	10.53	10.00	*2.59	2.00	As Certified
Average	52.81	----	10.53	----	2.59	----	
Meat and Bone Scraps							
THE ATLANTIC SUPPLY CO. Baltimore, Md.							
Atlantic 45% Victory Scraps (33)	44.63	45.00	8.06	6.00	3.70	7.00	As Certified
PENNSYLVANIA HIDE CO., INC. Scranton, Pa.							
Meat & Bone Scraps (566)	50.56	50.00	11.56	6.00	1.96	3.00	As Certified
A. F. REES, INC. Hanover, Pa.							
Meat & Bone Scrap (109)	49.25	50.00	11.84	10.00	*3.65	2.25	As Certified
CHAS. R. SHOEMAKER, INC. Philadelphia, Pa.							
Highgrade 50% Beef & Bone Scrap (588)	51.38	50.00	11.16	6.00	1.61	2.00	As Certified
Average	48.96	----	10.65	----	2.73	----	
Fish Meal							
FLAG FISH CO., INC. New York, N. Y.							
High-Fish Meal (473)	62.00	62.00	11.63	3.00	0.39	0.25	As Certified
Average	62.00	----	11.63	----	0.39	----	
Crab Meal							
SEA BOARD SUPPLY CO., INC. Philadelphia, Pa.							
Crab Meal (241)	35.00	32.00	1.98	1.00	11.19	11.00	As Certified
Average	35.00	----	1.98	----	11.19	----	
Fish and Crab Meal							
SEA BOARD SUPPLY CO., INC. Philadelphia, Pa.							
Fish & Crab Scrap Meal (240)	48.25	50.00	4.85	3.00	4.65	6.00	As Certified
Average	48.25	----	4.85	----	4.65	----	
Tankage							
KOLLER FERTILIZER CO. Glen Rock, Pa.							
High Protein Feeding Tankage(411)	63.81	60.00	7.84	5.00	2.56	4.00	As Certified
Average	63.81	----	7.84	----	2.56	----	
efficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

200-4-40

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>Dried Whey</u>							
WESTERN CONDENSING CO. San Francisco, Calif.							
Lacto-G Dried Whey Milk Solids (276)	11.50	12.00	0.71	0.50	0.33	0.10	As Certified
Average	11.50	----	0.71	----	0.33	----	
<u>Miscellaneous Feed</u>							
MENHADEN FISH MEAL CO. Baltimore, Md.							
Pro-Teast Brewera Yeest (102)	27.38	25.00	3.96	2.00	3.38	6.00	As Certified
CHAS. R. SHOEMAKER, INC. Philadelphia, Pa.							
10-25 Brand (Poultry Steamed Bone) (589)	23.19	10.00					Phosphoric Acid 24.